

TABLES

OF

SIMPLE INTEREST and DISCOUNT,

AT

3, 4, 5, 6, 7, 8, 9, and 10 *l. per Cent. per Ann.*

ALSO

TABLES

OF

COMPOUND INTEREST at the same *Rates.*

WHEREBY

The Amount or Present Value of any Sum of Money, or any Annuity, or other Yearly Payment, &c. for any Number of Years, not exceeding One Hundred, is readily found.

By JOHN SMART,
At the *Town-Clerk's-Office, London.*

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TABLES

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INTEREST, &c.

FOR the better understanding the following Tables, it is necessary to say something of Decimal Fractions, the Nature of which may be easily apprehended, by considering, That

As whole Numbers increase in a Decimal Proportion, by the Addition of Cyphers to the right Hand, so on the contrary, Decimal Fractions decrease in the same Proportion, by the Addition of Cyphers to the left.

As . . . 10 . is Ten Unites.

100 . — One Hundred.

1000 . — One Thousand.

10000 . — Ten Thousand, &c.

So . 1 — is One tenth part of an Unite.

. 01 — One hundredth part.

. 001 — One thousandth part.

. 0001 — Ten thousandth part, &c.

For, the Denominator of a Decimal Fraction, is always an Unite with so many Cyphers to the right Hand, as there are Places in the Decimal Fraction.

Therefore Cyphers on the right Hand of a Decimal Fraction, alter not the Value, .5 being $\frac{1}{2}$, .50 $\frac{1}{100}$, .500 $\frac{1}{1000}$, &c. each of them being equal to one half.

Decimal Fractions are distinguished from whole Numbers by a Point or Comma plac'd before them.

Addition, Subtraction, Multiplication, and Division of Decimals, are all of them perform'd as in Whole Numbers, observing these few Rules, viz.

In *Addition* and *Subtraction*, to place the Points of Distinction one under the other.

In *Multiplication*, to separate with a Point, so many Places of the Product to the right Hand, as there are Decimal Places both in Multiplicand and Multiplier; and, if there are not so many Places in the Product, then to add Cyphers to the left Hand, 'till there are so many Places.

In *Division*, to separate with a Point so many Places of the Quotient to the right, as there are Decimal Places in the Dividend more than are in the Divisor; and, if there are not so many Places, then to add Cyphers to the left, 'till there are so many Places.

And by adding Cyphers to the right Hand of the Dividend, any lesser Number given, may be divided by a greater.

Examples in ADDITION.

.029	2.412	25.264
.45	.028	31.897
.21063	5.124	7.158
.68963	7.564	64.319

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Examples in SUBTRACTION.

<u>.236</u>	<u>5.027</u>	<u>63.849</u>
<u>.109</u>	<u>.96524</u>	<u>42.592</u>
<u>.127</u>	<u>4.06176</u>	<u>21.257</u>

Examples in MULTIPLICATION.

Multiplicand	.95	.135	25.6
Multiplier	.23	.21	.72
Product	<u>.2185</u>	<u>.02835</u>	<u>18.432</u>
653.	163.	75.65	23.725
.5	2.43	2.13	462.
<u>326.5</u>	<u>396.09</u>	<u>161.1345</u>	<u>10960.950</u>

Examples in DIVISION.

Divisor. Dividend. Quotient.

.21)	.02835	(.135
.72)	18.432	(25.6
.5)	326.5	(653.
2.43)	396.09	(163.
2.13)	161.1345	(75.65
96.3)	.841662	(.00874

To reduce a Vulgar Fraction to a Decimal of the same Value, divide the Numerator by the Denominator, and the Quotient is the Decimal Fraction requir'd.

And, to reduce a Decimal Fraction to a Vulgar, multiply the Decimal by the Denominator of the Vulgar, and the Product is the Vulgar Fraction requir'd.

But to prevent the Trouble of such Reduction, the following Table is made.

Shillings,

Exam

Shillings, Pence, and Farthings, reduc'd to the
Decimal Parts of a Pound.

s.	d.	Decimal Parts of a Pound.	s.	d.	Decimal Parts of a Pound.
- 1	- 2 $\frac{1}{4}$	.059375	- 1	- 9 $\frac{1}{4}$	.089583
- 1	- 2 $\frac{1}{2}$	.060417	- 1	- 9 $\frac{3}{4}$	.090625
- 1	- 2 $\frac{3}{4}$	.061458	- 1	10	.091667
- 1	- 3	.0625	- 1	10 $\frac{1}{4}$	.092708
- 1	- 3 $\frac{1}{4}$	.063542	- 1	10 $\frac{1}{2}$	.09375
- 1	- 3 $\frac{1}{2}$	.064583	- 1	10 $\frac{3}{4}$	.094792
- 1	- 3 $\frac{3}{4}$	.065625	- 1	11	.095833
- 1	- 4	.066667	- 1	11 $\frac{1}{4}$	.096875
- 1	- 4 $\frac{1}{4}$	.067708	- 1	11 $\frac{1}{2}$	.097917
- 1	- 4 $\frac{1}{2}$	.06875	- 1	11 $\frac{3}{4}$	.098958
- 1	- 4 $\frac{3}{4}$	.069792	- 2	--	.1
- 1	- 5	.070833	- 3	--	.15
- 1	- 5 $\frac{1}{4}$	.071875	- 4	--	.2
- 1	- 5 $\frac{1}{2}$	.072917	- 5	--	.25
- 1	- 5 $\frac{3}{4}$	.073958	- 6	--	.3
- 1	- 6	.075	- 7	--	.35
- 1	- 6 $\frac{1}{4}$	.076042	- 8	--	.4
- 1	- 6 $\frac{1}{2}$	.077083	- 9	--	.45
- 1	- 6 $\frac{3}{4}$	.078125	10	--	.5
- 1	- 7	.079167	11	--	.55
- 1	- 7 $\frac{1}{4}$	.080208	12	--	.6
- 1	- 7 $\frac{1}{2}$	.08125	13	--	.65
- 1	- 7 $\frac{3}{4}$	.082292	14	--	.7
- 1	- 8	.083333	15	--	.75
- 1	- 8 $\frac{1}{4}$	.084375	16	--	.8
- 1	- 8 $\frac{1}{2}$	.085417	17	--	.85
- 1	- 8 $\frac{3}{4}$	.086458	18	--	.9
- 1	- 9	.0875	19	--	.95
- 1	- 9 $\frac{1}{4}$	.088542			

Examples of the Use of the preceeding Table.

WHat Decimal part of a Pound is 7 *d*?
 Look in the Table for 7 *d*. and even
 with it you will find .029167, which is the De-
 cimal requir'd.

What Decimal part of a Pound is 17 *s*. 6 *d*?

You will find the Decimal of 17 *s*. to be .85,
 and the Decimal of 6 *d*. to be .025, which added,
 makes .875, and answers the Question.

What is the Value of this Decimal .09375 in
 Shillings, Pence, and Farthings?

Look in the Table, and you will find it to
 be 1 *s*. 10 *d*. $\frac{1}{2}$.

Note, If you cannot find in the Table, the
 exact Decimal sought for, take that which is
 nearest to it, and you can never err above half a
 Farthing.

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Of SIMPLE INTEREST.

THE Annual Interest of any Sum of Money is found, by multiplying the Principal Sum by the hundredth Part of the Rate of Interest, the Product being the Answer.

If the Rate of Interest be 3 *per Cent.* the hundredth Part is .03, if 4 *per Cent.* .04, if 5 *per Cent.* .05, &c.

Examples.

What is the Interest of 75 *l.* for one Year, at 6 *l. per Cent* ?

$$\begin{array}{r} 75 \\ .06 \\ \hline 4.50 \end{array} \quad \begin{array}{l} \text{Answer } 4 \text{ } 10 \text{ } 0 \end{array} \quad \begin{array}{l} \text{ } \\ \text{ } \\ \text{ } \end{array} \quad \begin{array}{l} \text{ } \\ \text{ } \\ \text{ } \end{array} \quad \begin{array}{l} \text{ } \\ \text{ } \\ \text{ } \end{array} \quad \begin{array}{l} \text{ } \\ \text{ } \\ \text{ } \end{array}$$

What is the Interest of 157 *l.* 17 *s.* 6 *d.* at 5 *l. per Cent* ?

$$\begin{array}{r} 157.875 \\ .05 \\ \hline 7.89375 \end{array} \quad \begin{array}{l} \text{Answer } 7 \text{ } 17 \text{ } 10 \frac{1}{2} \end{array} \quad \begin{array}{l} \text{ } \\ \text{ } \\ \text{ } \end{array} \quad \begin{array}{l} \text{ } \\ \text{ } \\ \text{ } \end{array} \quad \begin{array}{l} \text{ } \\ \text{ } \\ \text{ } \end{array} \quad \begin{array}{l} \text{ } \\ \text{ } \\ \text{ } \end{array}$$

Thus the Yearly Interest of any Sum is found by one Multiplication.

B

When

When the Interest for a Year is found, divide it by 365, the Quotient will be the Interest for one Day.

.01 being the Interest of one Pound for one Year, divide it by 365, the Quotient will be .00002739726028—, and that is the Interest of one Pound for one Day, at one *per Cent*.

.000027, &c. found as above, multiplied by the Principal, the Number of Days, and the Rate of Interest, is of it self an Interest Table for any Sum of Money, any Time, and at any Rate.

Example.

What is the Interest of £50 l. for 365 Days, at 6 l. *per Cent*.

.00002739726028

150 Principal.

410958904200

365 Number of Days.

150000000033000

6 Rate of Interest.

9.00000000198000 Answer 9 l.

By the same Rule .02 divided by 365, the Quotient will be the Interest of one Pound, for one Day, at 2 *per Cent*. .03 at 3 *per Cent*. &c. and thus what follows, is found, *viz*.

The

*The INTEREST of one Pound, for one Day,
at all RATES.*

At 1 l. per Cent. is	.000027397266
2 - - - - -	.000054794521
3 - - - - -	.000082191781
4 - - - - -	.000109589041
5 - - - - -	.000136986301
6 - - - - -	.000164383562
7 - - - - -	.000191780822
8 - - - - -	.000219178082
9 - - - - -	.000246575342
10 - - - - -	.000273972603
<i>&c.</i>	

When the Interest of one Pound, for one Day, at any Rate, is found, that Interest multiplied by 2, 3, 4, 5, 6, 7, 8, and 9, gives the Interest of any Sum of Money whatsoever at the same Rate.

Example at 3 l. per Cent.

Interest of 1 l. for one Day, is	.00008219178
2 - - - - -	.00016438356
3 - - - - -	.00024657534
4 - - - - -	.00032876712
5 - - - - -	.00041095890
6 - - - - -	.00049315068
7 - - - - -	.00057534246
8 - - - - -	.00065753424
9 - - - - -	.00073972602

Interest of 1 l. as above, being .000082 &c.

10.	is	-----	.000822*
100.		-----	.008219
1000.		-----	.082192*
10000.		-----	.821918*
100000.		-----	8.219178
1000000.		-----	82.191781

For, Multiplication in Decimals by 10. 100. 1000. &c. is performed by removing the Point of Distinction, as above.

And thus the following Tables of dayly Interest, are made.

Note, That in contracting a Decimal Fraction from many, to fewer Places, it is proper to add one to the last Figure retained, if the next Figure omitted exceed 5. This is observed in all the following Tables, as it is above, where marked *.

Interest

INTEREST

Princip

1000000
900000
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600000
500000
400000
300000
200000
100000
90000
80000
70000
60000
50000
40000
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20000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
900
800
700
600

INTEREST for one Day, at 3 l. per Cent. per Ann.

Principal.	Interest.		Princip.	Interest
10000000	821.9178		5000	.4110
9000000	739.7260		4000	.3288
8000000	657.5342		3000	.2466
7000000	575.3425		2000	.1644
6000000	493.1507		1000	.0822
5000000	410.9589		900	.0740
4000000	328.7671		800	.0658
3000000	246.5753		700	.0575
2000000	164.3836		600	.0493
1000000	82.1918		500	.0411
900000	73.9726		400	.0329
800000	65.7534		300	.0247
700000	57.5342		200	.0164
600000	49.3151		100	.0082
500000	41.0959		90	.0074
400000	32.8767		80	.0066
300000	24.6575		70	.0058
200000	16.4384		60	.0049
100000	8.2192		50	.0041
90000	7.3973		40	.0033
80000	6.5753		30	.0025
70000	5.7534		20	.0016
60000	4.9315		10	.0008
50000	4.1096		9	.0007
40000	3.2877		8	.0007
30000	2.4658		7	.0006
20000	1.6438		6	.0005
10000	.8219		5	.0004
9000	.7397		4	.0003
8000	.6575		3	.0002
7000	.5753		2	.0002
6000	.4932		1	.0001

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INTEREST for one Day, at 4 l. per Cent. per Ann.

Principal.	Interest.	Princip.	Interest
10000000	1095.8904	5000	.5479
9000000	986.3014	4000	.4384
8000000	876.7123	3000	.3288
7000000	767.1233	2000	.2192
6000000	657.5342	1000	.1096
5000000	547.9452	900	.0986
4000000	438.3562	800	.0877
3000000	328.7671	700	.0767
2000000	219.1781	600	.0658
1000000	109.5890	500	.0548
900000	98.6301	400	.0438
800000	87.6712	300	.0329
700000	76.7123	200	.0219
600000	65.7534	100	.0110
500000	54.7945	90	.0099
400000	43.8356	80	.0088
300000	32.8767	70	.0077
200000	21.9178	60	.0066
100000	10.9589	50	.0055
90000	9.8630	40	.0044
80000	8.7671	30	.0033
70000	7.6712	20	.0022
60000	6.5753	10	.0011
50000	5.4795	9	.0010
40000	4.3836	8	.0009
30000	3.2877	7	.0008
20000	2.1918	6	.0007
10000	1.0959	5	.0005
9000	.9863	4	.0004
8000	.8767	3	.0003
7000	.7671	2	.0002
6000	.6575	1	.0001

per Ann. INTEREST for one Day, at 5 l. per Cent. per Ann.

Interest	Principal.	Interest.		Princip.	Interest
.5479	10000000	1369.8630		5000	.6849
.4384	9000000	1232.817		4000	.5479
.3288	8000000	1095.8904		3000	.4110
.2192	7000000	958.9041		2000	.2740
.1096	6000000	821.9178		1000	.1370
.0986	5000000	684.9315	=	900	.1233
.0877	4000000	547.9452		800	.1096
.0767	3000000	410.9589		700	.0959
.0658	2000000	273.9726		600	.0822
.0548	1000000	136.9863		500	.0685
.0438	0000000	123.2877		400	.0548
.0329	800000	109.5890		300	.0411
.0219	700000	95.8904		200	.0274
.0110	600000	82.1918		100	.0137
.0099	500000	68.4932		90	.0123
.0088	400000	54.7945		80	.0110
.0077	300000	41.0959		70	.0096
.0066	200000	27.3973		60	.0082
.0055	100000	13.6986		50	.0068
.0044	90000	12.3288		40	.0055
.0033	80000	10.9589		30	.0041
.0022	70000	9.5890		20	.0027
.0011	60000	8.2192		10	.0014
.0010	50000	6.8493		9	.0012
.0009	40000	5.4795		8	.0011
.0008	30000	4.1096		7	.0010
.0007	20000	2.7397		6	.0008
.0005	10000	1.3699		5	.0007
.0004	9000	1.2329		4	.0005
.0003	8000	1.0959		3	.0004
.0002	7000	.9589		2	.0003
.0001	6000	.8219		1	.0001

INTEREST for one Day, at 6 l. per Cent. per An.

Principal.	Interest.	Princip.	Interest.
10000000	1643.8356	5000	.8219
9000000	1479.4521	4000	.6575
8000000	1315.0685	3000	.4932
7000000	1150.6849	2000	.3288
6000000	986.3014	1000	.1644
5000000	821.9178	900	.1479
4000000	657.5342	800	.1315
3000000	493.1507	700	.1151
2000000	328.7671	600	.0986
1000000	164.3836	500	.0822
900000	147.9452	400	.0658
800000	131.5068	300	.0493
700000	115.0685	200	.0329
600000	98.6301	100	.0164
500000	82.1918	90	.0148
400000	65.7534	80	.0132
300000	49.3151	70	.0115
200000	32.8767	60	.0099
100000	16.4384	50	.0082
90000	14.7945	40	.0066
80000	13.1507	30	.0049
70000	11.5068	20	.0033
60000	9.8630	10	.0016
50000	8.2192	9	.0015
40000	6.5753	8	.0013
30000	4.9315	7	.0012
20000	3.2877	6	.0010
10000	1.6438	5	.0008
9000	1.4795	4	.0007
8000	1.3151	3	.0005
7000	1.1507	2	.0003
6000	.9863	1	.0002

INTER

Princip

10000000	1643.8356
9000000	1479.4521
8000000	1315.0685
7000000	1150.6849
6000000	986.3014
5000000	821.9178
4000000	657.5342
3000000	493.1507
2000000	328.7671
1000000	164.3836
900000	147.9452
800000	131.5068
700000	115.0685
600000	98.6301
500000	82.1918
400000	65.7534
300000	49.3151
200000	32.8767
100000	16.4384
90000	14.7945
80000	13.1507
70000	11.5068
60000	9.8630
50000	8.2192
40000	6.5753
30000	4.9315
20000	3.2877
10000	1.6438
9000	1.4795
8000	1.3151
7000	1.1507
6000	.9863

per Ann.

INTEREST for one Day, at 7l. per Cent. per Ann.

Interest	Principal.	Interest.	Princip.	Interest
.8219	10000000	1917.8082	5000	.9589
.6575	9000000	1726.0274	4000	.7671
.4932	8000000	1534.2466	3000	.5753
.3288	7000000	1342.4658	2000	.3836
.1644	6000000	1150.6849	1000	.1918
.1479	5000000	958.9041	900	.1726
.1315	4000000	767.1233	800	.1534
.1151	3000000	575.3425	700	.1342
.0986	2000000	383.5616	600	.1151
.0822	1000000	191.7808	500	.0959
.0658	900000	172.6027	400	.0767
.0493	800000	153.4247	300	.0575
.0329	700000	134.2466	200	.0384
.0164	600000	115.0685	100	.0192
.0148	500000	95.8904	90	.0173
.0132	400000	76.7123	80	.0153
.0115	300000	57.5342	70	.0134
.0099	200000	38.3562	60	.0115
.0082	100000	19.1781	50	.0096
.0066	90000	17.2603	40	.0077
.0049	80000	15.3425	30	.0058
.0033	70000	13.4247	20	.0038
.0016	60000	11.5068	10	.0019
.0015	50000	9.5890	9	.0017
.0013	40000	7.6712	8	.0015
.0012	30000	5.7534	7	.0013
.0010	20000	3.8356	6	.0012
.0008	10000	1.9178	5	.0010
.0007	9000	1.7260	4	.0008
.0005	8000	1.5342	3	.0006
.0003	7000	1.3425	2	.0004
.0002	6000	1.1507	1	.0002

INTEREST for one Day, at 8 l. per Cent. per Ann.

Principal.	Interest.	Principal.	Interest.
10000000	2191.7808	5000	1.0959
9000000	1972.6027	4000	.8767
8000000	1753.4247	3000	.6575
7000000	1534.2466	2000	.4384
6000000	1315.0685	1000	.2192
5000000	1095.8904	900	.1973
4000000	876.7123	800	.1753
3000000	657.5342	700	.1534
2000000	438.3562	600	.1315
1000000	219.1781	500	.1096
900000	197.2603	400	.0877
800000	175.3423	300	.0658
700000	153.4247	200	.0438
600000	131.5068	100	.0219
500000	109.5890	90	.0197
400000	87.6712	80	.0175
300000	65.7534	70	.0153
200000	43.8356	60	.0132
100000	21.9178	50	.0110
90000	19.7260	40	.0088
80000	17.5342	30	.0066
70000	15.3425	20	.0044
60000	13.1507	10	.0022
50000	10.9589	9	.0020
40000	8.7671	8	.0018
30000	6.5753	7	.0015
20000	4.3836	6	.0013
10000	2.1918	5	.0011
9000	1.9726	4	.0009
8000	1.7534	3	.0007
7000	1.5342	2	.0004
6000	1.3151	1	.0002

INTEREST

Principal.

10000000	2191.7808
9000000	1972.6027
8000000	1753.4247
7000000	1534.2466
6000000	1315.0685
5000000	1095.8904
4000000	876.7123
3000000	657.5342
2000000	438.3562
1000000	219.1781
900000	197.2603
800000	175.3423
700000	153.4247
600000	131.5068
500000	109.5890
400000	87.6712
300000	65.7534
200000	43.8356
100000	21.9178
90000	19.7260
80000	17.5342
70000	15.3425
60000	13.1507
50000	10.9589
40000	8.7671
30000	6.5753
20000	4.3836
10000	2.1918
9000	1.9726
8000	1.7534
7000	1.5342
6000	1.3151

INTEREST for one Day, at 9 l. per Cent. per Ann.

Principal.	Interest.	Princip.	Interest
10000000	2465.7534	5000	1.2329
9000000	2219.1781	4000	.9863
8000000	1972.6027	3000	.7397
7000000	1726.0274	2000	.4932
6000000	1479.4521	1000	.2466
5000000	1232.8767	900	.2219
4000000	986.3014	800	.1973
3000000	739.7260	700	.1726
2000000	493.1507	600	.1479
1000000	246.5753	500	.1233
900000	221.9178	400	.0986
800000	197.2603	300	.0740
700000	172.6027	200	.0493
600000	147.9452	100	.0247
500000	123.2877	90	.0222
400000	98.6301	80	.0197
300000	73.9726	70	.0173
200000	49.3151	60	.0148
100000	24.6575	50	.0123
90000	22.1918	40	.0099
80000	19.7260	30	.0074
70000	17.2603	20	.0049
60000	14.7945	10	.0025
50000	12.3288	9	.0022
40000	9.8630	8	.0020
30000	7.3973	7	.0017
20000	4.9315	6	.0015
10000	2.4658	5	.0012
9000	2.2192	4	.0010
8000	1.9726	3	.0007
7000	1.7260	2	.0005
6000	1.4795	1	.0002

INTEREST for one Day, at 10 l. per Cent. per Ann.

Principal.	Interest.	Princip.	Interest
10000000	2739.7260	5000	1.3699
9000000	2465.7534	4000	1.0959
8000000	2191.7808	3000	.8219
7000000	1917.8082	2000	.5479
6000000	1643.8356	1000	.2740
5000000	1369.8630	900	.2466
4000000	1095.8904	800	.2192
3000000	821.9178	700	.1918
2000000	547.9452	600	.1644
1000000	273.9726	500	.1370
900000	246.5753	400	.1096
800000	219.1781	300	.0822
700000	191.7808	200	.0548
600000	164.3836	100	.0274
500000	136.9863	90	.0247
400000	109.5890	80	.0219
300000	82.1918	70	.0192
200000	54.7945	60	.0164
100000	27.3973	50	.0137
90000	24.6575	40	.0110
80000	21.9178	30	.0082
70000	19.1781	20	.0055
60000	16.4384	10	.0027
50000	13.6986	9	.0025
40000	10.9589	8	.0022
30000	8.2192	7	.0019
20000	5.4795	6	.0016
10000	2.7397	5	.0014
9000	2.4658	4	.0011
8000	2.1918	3	.0008
7000	1.9178	2	.0005
6000	1.6438	1	.0003

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The Use of the preceeding Tables.

When the Interest of any Sum of Money is requir'd for any Number of Days, multiply the Principal Sum by the Number of Days, and the Interest of that Product for one Day, answers the Question.

For, the Interest of one Pound for one hundred Days, is equal to the Interest of one hundred Pounds for one Day.

Example.

What is the Interest of 265 *l.* for 438 Days, at 6 *l. per Cent. per Ann?*

265 *l.* multiply'd by 438, (the Number of Days) the Product will be 116070 *l.* the Interest of which Sum, take out of the Table of 6 *l. per Cent.* thus,

The Interest for one Day of 100000	is	16 4384
10000	is	1.6438
6000	is	.9863
70	is	.0115

Principal 116070. Int. 19 0800

Answer 19 *l.* 1 *s.* 7 *d.* $\frac{1}{4}$.

And thus, by these Tables, the Interest of any Sum of Money, for any Time, and at any Rate of Interest, from 3 *l.* to 10 *l. per Cent. per Ann.* is found by Addition only.

For the more easy finding the Number of Days, from any one Time given, to any other, the following Table is made.

The

The Number of Days, from any Day in any one Month, to the same Day in any other Month.

From	JANUA.	FEBRU.	MARCH	APRIL	MAY	JUNE
	Feb. -31	Mar. -28	Apr. -31	May -30	June -31	July -30
	Mar. -59	Apr. -59	May -61	June -61	July -61	Aug. -61
	Apr. -90	May -89	June -92	July -91	Aug. -92	Sep. -92
	May 120	June 120	July 122	Aug. 122	Sep. 123	Oct. 122
	June 151	July 150	Aug. 153	Sep. 153	Oct. 153	Nov. 153
To	July 181	Aug. 181	Sep. 184	Oct. 183	Nov. 184	Dec. 183
	Aug. 212	Sep. 212	Oct. 214	Nov. 214	Dec. 214	Jan. 214
	Sep. 243	Oct. 242	Nov. 245	Dec. 244	Jan. 245	Feb. 245
	Oct. 273	Nov. 273	Dec. 275	Jan. 275	Feb. 276	Mar. 273
	Nov. 304	Dec. 303	Jan. 306	Feb. 305	Mar. 304	Apr. 304
	Dec. 334	Jan. 334	Feb. 337	Mar. 334	Apr. 335	May 334
	Jan. 365	Feb. 365	Mar. 365	Apr. 365	May 365	June 365

From	JULY	AUGU.	SEPTE.	OCTO.	NOVE.	DECE.
	Aug. -31	Sep. -31	Oct. -30	Nov. -31	Dec. -30	Jan. -31
	Sep. -62	Oct. -61	Nov. -61	Dec. -61	Jan. -61	Feb. -62
	Oct. -92	Nov. -92	Dec. -91	Jan. -92	Feb. -92	Mar. -90
	Nov. 123	Dec. 122	Jan. 122	Feb. 123	Mar. 120	Apr. 121
	Dec. 153	Jan. 153	Feb. 153	Mar. 151	Apr. 151	May 151
To	Jan. 184	Feb. 184	Mar. 181	Apr. 182	May 181	June 182
	Feb. 215	Mar. 212	Apr. 212	May 212	June 212	July 212
	Mar. 243	Apr. 243	May 242	June 243	July 242	Aug. 243
	Apr. 274	May 273	June 273	July 273	Aug. 273	Sep. 274
	May 304	June 304	July 303	Aug. 304	Sep. 304	Oct. 304
	June 335	July 334	Aug. 334	Sep. 335	Oct. 334	Nov. 335
	July 365	Aug. 365	Sep. 365	Oct. 365	Nov. 365	Dec. 365

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This Table shews the Number of Days, from any Day in any one Month, to the same Day in any other Month; as, from the 1st, 5th, 10th, or 20th of *May*, to the 1st, 5th, 10th, or 20th of *November*, is 184 Days. Which is thus known.

I find *May* at the Head of one of the Columns, and looking down that Column, I find *November*, and even with it 184.

But if the Question is from the 5th of *May*, to the 10th of *November*, I must add 5, and the Number of Days will be 189. On the contrary, if it be demanded from the 10th of *May*, to the 5th of *November*, 5 must be subtracted, and the Number will be 179. And thus any Number of Days, not exceeding a Year, are found by Inspection.

If the Time exceed a Year, as from the 10th of *May* 1706, to the 10th of *November* 1707, add 365 to the Number found in the Table, and the Answer will be 549 Days.

Of DISCOUNT.

TO find the Annual Discount of one Pound, at 1 *l.* per Cent. divide .01 by 1.01; at 2 *l.* per Cent. divide .02 by 1.02; at 3 *l.* per Cent. .03 by 1.03, &c. and the Quotients will answer the several Questions.

Thus

Thus the Discount of one Pound for one Year, is found, at the several Rates following, viz.

The Discount of 1 l. at	{	1 l. per Cent. is	.009900990099
		2 - - - - -	.019607843137
		3 - - - - -	.029126213592
		4 - - - - -	.038461538462
		5 - - - - -	.047619047619
		6 - - - - -	.056603773585
		7 - - - - -	.065420560748
		8 - - - - -	.074074074074
		9 - - - - -	.082568807339
		10 - - - - -	.090909090909

The Discount of 1 l. being multiply'd by any Principal Sum, the Product is the Annual Discount of that Principal.

Example.

What is the Discount of 100 l. at 6 l. per Cent. per Ann?

.05660, &c. being the Discount of 1 l. at 6 l. per Cent. as above, multiply'd by 100. the Product will be 5.660377, or 5 l. 13 s. 2 d. $\frac{1}{2}$, and so much is the Discount of 100 l. at 6 l. per Cent. per Ann.

So that he that allows 6 l. for the Discount of 100 l. for one Year, at 6 l. per Cent. (than which, nothing is more common) wrongs himself; for he ought to receive so much Money as at 6 l. per Cent. Interest will amount to 100 l. in one Year, which, less than 94 l. 6 s. 9 d. $\frac{1}{2}$ will not do.

The several Discounts of 1 l. for one Year at the aforesaid Rates, being divided by 365, gives

gives Rates,

Discount for one Day, at

When at any 2, 3, 4 of Mon

Discount

And one Day, gives

gives the Discounts for one Day at the same Rates, viz.

Discount for one Day, at	1 l. per Cent. - is -	.000027126000
	2 - - - - -	.000053720118
	3 - - - - -	.000079797845
	4 - - - - -	.000105374078
	5 - - - - -	.000130463144
	6 - - - - -	.000155078832
	7 - - - - -	.000179234413
	8 - - - - -	.000202942669
	9 - - - - -	.000226215911
	10 - - - - -	.000249066002

When the Discount of one Pound for one Day, at any Rate is found, that Discount multiply'd by 2, 3, 4, 5, &c. gives the Discount of any Sum of Money whatsoever at the same Rate.

Example at 3 l. per Cent.

Discount of	1 l. for one Day, is	.000079797845
	2 - - - - -	.000159595691
	3 - - - - -	.000239393536
	4 - - - - -	.000319191382
	5 - - - - -	.000398989227
	6 - - - - -	.000478787073
	7 - - - - -	.000558584918
	8 - - - - -	.000638382764
	9 - - - - -	.000718180609
	10 - - - - -	.000797978455
	100 - - - - -	.007979784546
	1000 - - - - -	.079797845458
	&c.	

And thus the following Tables of Discount for one Day, are made.

D

Discount

DISCOUNT for one Day, at 3 l. per Cent. per Ann.

Principal.	Discount.	Princip.	Discount.
10000000	77.9785	5000	.3990
9000000	718.1806	4000	.3192
8000000	638.3828	3000	.2394
7000000	558.5849	2000	.1596
6000000	478.7871	1000	.0798
5000000	398.9892	900	.0718
4000000	319.1914	800	.0638
3000000	239.3935	700	.0559
2000000	159.5957	600	.0479
1000000	79.7978	500	.0399
900000	71.8181	400	.0319
800000	63.8383	300	.0239
700000	55.8585	200	.0160
600000	47.8787	100	.0080
500000	39.8989	90	.0072
400000	31.9191	80	.0064
300000	23.9394	70	.0056
200000	15.9596	60	.0048
100000	7.9798	50	.0040
90000	7.1818	40	.0032
80000	6.3838	30	.0024
70000	5.5858	20	.0016
60000	4.7879	10	.0008
50000	3.9899	9	.0007
40000	3.1919	8	.0006
30000	2.3939	7	.0006
20000	1.5960	6	.0005
10000	.7980	5	.0004
9000	.7182	4	.0003
8000	.6384	3	.0003
7000	.5586	2	.0002
6000	.4788	1	.0001

DISC

Princ

10000000	9000000	8000000	7000000	6000000	5000000	4000000	3000000	2000000	1000000	900000	800000	700000	600000	500000	400000	300000	200000	100000	90000	80000	70000	60000	50000	40000	30000	20000	10000	9000	8000	7000	6000
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Ann.

DISCOUNT for one Day, at 4 l. per Cent. per Ann.

Discou.

3990

3192

2394

1596

0798

0718

0638

0559

0479

0399

0319

0239

0160

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0056

0048

0040

0032

0024

0016

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Principal.

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Discou.

10000000

1053.7408

5000

.5269

9000000

948.3667

4000

.4215

8000000

842.9926

3000

.3161

7000000

737.6185

2000

.2107

6000000

632.2445

1000

.1054

5000000

526.8704

900

.0948

4000000

421.4963

800

.0843

3000000

316.1222

700

.0738

2000000

210.7482

600

.0632

1000000

105.3741

500

.0527

900000

94.8367

400

.0421

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84.2993

300

.0316

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73.7619

200

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63.2244

100

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52.6870

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80

.0084

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70

.0074

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10.5374

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.0053

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9.4837

40

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8.4299

30

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70000

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5.2687

9

.0009

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4.2150

8

.0008

30000

3.1612

7

.0007

20000

2.1075

6

.0006

10000

1.0537

5

.0005

9000

.9484

4

.0004

8000

.8430

3

.0003

7000

.7376

2

.0002

6000

.6322

1

.0001

DISCOUNT for one Day, at 5 l. per Cent. per Ann.

Principal.	Discount.	Princip.	Discou.
10000000	1304.6314	5000	.6523
9000000	1174.1683	4000	.5219
8000000	1043.7052	3000	.3914
7000000	913.2420	2000	.2609
6000000	782.7789	1000	.1305
5000000	652.3157	900	.1174
4000000	521.8526	800	.1044
3000000	391.3894	700	.0913
2000000	260.9263	600	.0783
1000000	130.4631	500	.0652
900000	117.4168	400	.0522
800000	104.3705	300	.0391
700000	91.3242	200	.0261
600000	78.2779	100	.0130
500000	65.2316	90	.0117
400000	52.1853	80	.0104
300000	39.1389	70	.0091
200000	26.0926	60	.0078
100000	13.0463	50	.0065
90000	11.7417	40	.0052
80000	10.4371	30	.0039
70000	9.1324	20	.0026
60000	7.8278	10	.0013
50000	6.5232	9	.0012
40000	5.2185	8	.0010
30000	3.9139	7	.0009
20000	2.6093	6	.0008
10000	1.3046	5	.0007
9000	1.1742	4	.0005
8000	1.0437	3	.0004
7000	.9132	2	.0003
6000	.7828	1	.0001

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100000	100000
90000	90000
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20000	20000
10000	10000
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8000	8000
7000	7000
6000	6000
5000	5000
4000	4000
3000	3000
2000	2000
1000	1000
900	900
800	800
700	700
600	600
500	500
400	400
300	300
200	200
100	100
90	90
80	80
70	70
60	60

Ann.

DISCOUNT for one Day, at 6l. per Cent. per Ann.

Discou.	Principal.	Discount.	Princip.	Discou.
6523	10000000	1550.7883	5000	.7754
5219	9000000	1395.7095	4000	.6203
3914	8000000	1240.6307	3000	.4652
2609	7000000	1085.5518	2000	.3102
1305	6000000	930.4730	1000	.1551
1174	5000000	775.3942	900	.1396
1044	4000000	620.3153	800	.1241
0913	3000000	465.2365	700	.1086
0783	2000000	310.1577	600	.0930
0652	1000000	155.0788	500	.0775
0522	900000	139.5709	400	.0620
0391	800000	124.0631	300	.0465
0261	700000	108.5552	200	.0310
0130	600000	93.0473	100	.0155
0117	500000	77.5394	90	.0140
0104	400000	62.0315	80	.0124
0091	300000	46.5236	70	.0109
0078	200000	31.0158	60	.0093
0065	100000	15.5079	50	.0078
0052	90000	13.9571	40	.0062
0039	80000	12.4063	30	.0047
0026	70000	10.8555	20	.0031
0013	60000	9.3047	10	.0016
0012	50000	7.7539	9	.0014
0010	40000	6.2032	8	.0012
0009	30000	4.6524	7	.0011
0008	20000	3.1016	6	.0009
0007	10000	1.5508	5	.0008
0005	9000	1.3957	4	.0006
0004	8000	1.2406	3	.0005
0003	7000	1.0856	2	.0003
0001	6000	.9305	1	.0002

DISCOUNT for one Day, at 7 l. per Cent. per Ann.

Principal.	Discount.	Princip.	Discon.
1000000	1792.3441	5000	.8962
900000	1613.1097	4000	.7169
800000	1433.8753	3000	.5377
700000	1254.6409	2000	.3585
600000	1075.4065	1000	.1792
500000	896.1721	900	.1613
400000	716.9377	800	.1434
300000	537.7032	700	.1255
200000	358.4688	600	.1075
100000	179.2344	500	.0896
90000	161.3110	400	.0717
80000	143.3875	300	.0538
70000	125.4641	200	.0358
60000	107.5406	100	.0179
50000	89.6172	90	.0161
40000	71.6938	80	.0143
30000	53.7703	70	.0125
20000	35.8469	60	.0108
10000	17.9234	50	.0090
9000	16.1311	40	.0072
8000	14.3388	30	.0054
7000	12.5464	20	.0036
6000	10.7541	10	.0018
5000	8.9617	9	.0016
4000	7.1694	8	.0014
3000	5.3770	7	.0013
2000	3.5847	6	.0011
1000	1.7923	5	.0009
900	1.6131	4	.0007
800	1.4339	3	.0005
700	1.2546	2	.0004
600	1.0754	1	.0002

DISCOUNT

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DISCOUNT for one Day, at 8 l. per Cent. per Ann.

Discon.	Principal.	Discount.	Princip.	Discon.
.8962	10000000	2020.4267	5000	1.0147
.7169	9000000	1826.4840	4000	.8118
.5377	8000000	1623.5414	3000	.6088
.3585	7000000	1420.5987	2000	.4059
.1792	6000000	1217.6560	1000	.2029
.1613	5000000	1014.7133	900	.1826
.1434	4000000	811.7707	800	.1624
.1255	3000000	608.8280	700	.1421
.1075	2000000	405.8853	600	.1218
.0896	1000000	202.9427	500	.1015
.0717	900000	182.6484	400	.0812
.0538	800000	162.3541	300	.0609
.0358	700000	142.0599	200	.0406
.0179	600000	121.7656	100	.0203
.0161	500000	101.4713	90	.0183
.0143	400000	81.1771	80	.0162
.0125	300000	60.8828	70	.0142
.0108	200000	40.5885	60	.0122
.0090	100000	20.2943	50	.0101
.0072	90000	18.2648	40	.0081
.0054	80000	16.2354	30	.0061
.0036	70000	14.2060	20	.0041
.0018	60000	12.1766	10	.0020
.0016	50000	10.1471	9	.0018
.0014	40000	8.1177	8	.0016
.0013	30000	6.0883	7	.0014
.0011	20000	4.0589	6	.0012
.0009	10000	2.0294	5	.0010
.0007	9000	1.8265	4	.0008
.0005	8000	1.6235	3	.0006
.0004	7000	1.4206	2	.0004
.0002	6000	1.2177	1	.0002

DISCOUNT for one Day, at 9 l. per Cent. per Ann.

Principal.	Discount.	Princip.	Discou.
10000000	2262.1591	5000	1.1311
9000000	2035.9432	4000	.9049
8000000	1809.7273	3000	.6786
7000000	1583.5114	2000	.4524
6000000	1357.2955	1000	.2262
5000000	1131.0796	900	.2036
4000000	904.8636	800	.1810
3000000	678.6477	700	.1584
2000000	452.4318	600	.1357
1000000	226.2159	500	.1131
900000	203.5943	400	.0905
800000	180.9727	300	.0679
700000	158.3511	200	.0452
600000	135.7295	100	.0226
500000	113.1080	90	.0204
400000	90.4864	80	.0181
300000	67.8648	70	.0158
200000	45.2432	60	.0136
100000	22.6216	50	.0113
90000	20.3594	40	.0090
80000	18.0973	30	.0068
70000	15.8351	20	.0045
60000	13.5730	10	.0023
50000	11.3108	9	.0020
40000	9.0486	8	.0018
30000	6.7865	7	.0016
20000	4.5243	6	.0014
10000	2.2622	5	.0011
9000	2.0359	4	.0009
8000	1.8097	3	.0007
7000	1.5835	2	.0005
6000	1.3573	1	.0002

per Ann.

DISCOUNT for one Day, at 10 l. per Cent. per Ann.

Discou.	Principal.	Discount.	Princip.	Discou.
.1311	10000000	2490.6600	5000	1.2453
.9049	9000000	2241.5940	4000	.9963
.6786	8000000	1992.5280	3000	.7472
.4524	7000000	1743.4620	2000	.4981
.2262	6000000	1494.3960	1000	.2491
.2036	5000000	1245.3300	900	.2242
.1810	4000000	996.2640	800	.1993
.1584	3000000	747.1980	700	.1743
.1357	2000000	498.1320	600	.1494
.1131	1000000	249.0660	500	.1245
.0905	900000	224.1594	400	.0996
.0679	800000	199.2528	300	.0747
.0452	700000	174.3462	200	.0498
.0226	600000	149.4396	100	.0249
.0204	500000	124.5330	90	.0224
.0181	400000	99.6264	80	.0199
.0158	300000	74.7198	70	.0174
.0136	200000	49.8132	60	.0149
.0113	100000	24.9066	50	.0125
.0090	90000	22.4159	40	.0100
.0068	80000	19.9253	30	.0075
.0045	70000	17.4346	20	.0050
.0023	60000	14.9440	10	.0025
.0020	50000	12.4533	9	.0022
.0018	40000	9.9626	8	.0020
.0016	30000	7.4720	7	.0017
.0014	20000	4.9813	6	.0015
.0011	10000	2.4907	5	.0012
.0009	9000	2.2416	4	.0010
.0007	8000	1.9925	3	.0007
.0005	7000	1.7435	2	.0005
.0002	6000	1.4944	1	.0002

E

The

The Use of the preceeding Tables.

WHen the Discount of any Sum of Money is requir'd for any Number of Days, multiply the Principal Sum by the Number of Days, and the Discount of that Product for one Day, answers the Question.

Example.

What is the Discount of 265 *l.* for 438 Days, at 6 *l. per Cent. per Ann?*

265 *l.* multiply'd by 438, (the Number of Days) the Product will be 116070 *l.* the Discount of which Sum, take out of the Table of 6 *l. per Cent.* thus,

The Discount for one Day of 100000 is	15.5079
10000 is	1.5508
6000 is	.9305
70 is	.0109

Principal 116070. Dif. 18.0001

Answer 18 *l.*

And thus, by these Tables, the Discount of any Sum of Money, for any Time, and at any Rate, from 3 *l.* to 10 *l. per Cent. per Ann.* is found by Addition only.

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3 *l. per*
if 5 *l. per*

So i.

1.03
1.0600
1.0927
1.125
1.1592
1.1940

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by 1.03,
by 1.04,

So i.

.9708
.9425
.9151
.8884
.8626
.83748

Of

And th
made.

Of COMPOUND INTEREST.

THE Amount of any Sum of Money in any Number of Years, at Compound Interest, is found by the continued Multiplication of the Principal by 1.03, if the Rate of Interest be 3 l. per Cent. by 1.04, if 4 l. per Cent. by 1.05, if 5 l. per Cent. &c.

So 1.					
1.03	} Multiply'd by 1.03 the Amount at 3l. per Cent. will be	1.03	} At the end of the	1st. Year	
1.0609		1.0609		2d.	
1.092727		1.092727		3d.	
1.125509		1.125509		4th.	
1.159274		1.159274		5th.	
1.194052		1.194052		6th.	
		1.229874		7th, &c.	

And thus the first of the following Tables is made.

THE present Value of any Sum of Money payable at the end of any Number of Years, is found by the continued Division of the Principal by 1.03, if the Rate of Interest be 3 l. per Cent. by 1.04, if 4 l. per Cent. &c.

So 1.					
.970874	} Divided by 1.03 the present Value at 3l. per Cent. will be	.970874	} Payable at the end of the	1st. Year	
.942596		.942596		2d.	
.915142		.915142		3d.	
.888487		.888487		4th.	
.862609		.862609		5th.	
.837484		.837484		6th.	
		.813092		7th, &c.	

And thus the second of the following Tables is made.

The

THE Amount of any Annuity, or other yearly Payment, in any Number of Years, at 3 *l.* per Cent. per Ann. Compound Interest is thus found: Multiply the first yearly Payment by 1.03, and to the Product add the second yearly Payment, which Addition will be the Amount in two Years; multiply that Amount by 1.03, and to the Product add the third yearly Payment, that Addition will be the Amount in three Years, &c.

If the Rate of Interest be 4 *l.* per Cent. multiply by 1.04, if 5 *l.* per Cent. by 1.05, &c.

Example of 1 l. per Ann. at 3 l. per Cent.

First yearly Payment - 1 *l.* -- Amount in 1 Year.
Multiply'd by - - - - 1.03

1.03

Second yearly Payment 1.

2.03 - - - - 2 Years

Multiply'd by - - - - 1.03

2.0909

Third yearly Payment 1.

3.0909 - - - - 3 Years

Multiply'd by - - - - 1.03

3.183627

Fourth yearly Payment 1.

4.183627 - - - - 4 Years

&c.

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1 *l.* --
1.03-
2.03-
1.060
3.090
1.092
4.183
1.125
5.309
1.159
6.468
1.194
7.662

And thus the third of the following Tables is made.

There is likewise an easy way of making the third Table from the first, thus;

The third Table has one Pound at the Head of each Column, for the first Year; to which add the first Year of the first Table, the Amount will be the second Year of the third Table; to which add the second of the first Table, the Amount will be the third Year of the third Table, &c.

Example at 3 l. per Cent.

1 l. ----- - - first Year of the third Table.

1.03 ---- - - first Year of the first Table.

2.03 ---- - - second Year of the third.

1.0609 -- - - second Year of the first.

3.0909 -- - - third Year of the third.

1.092727 - - third Year of the first.

4.183627 - - fourth Year of the third.

1.125509 - - fourth Year of the first.

5.309136 - - fifth Year of the third.

1.159274 - - fifth Year of the first.

6.468410 - - sixth Year of the third.

1.194052 - - sixth Year of the first.

7.662462 - - seventh Year of the third.

&c.

The

THE present Value of any Annuity, or other yearly Payment, to continue any Number of Years, is thus known : Find the present Value of that yearly Sum, payable at the end of 1, 2, 3, 4, 5 Years, &c. by *Division*, as is before directed, the first of which Values will likewise be the present Value of that Annuity, or yearly Payment, for one Year ; the first and second of those Values added together, will be the present Value for two Years ; the first, second, and third, added, will be for three Years, &c.

Example of 1 l. per Ann. at 3 l. per Cent.

I find the present Value of 1 l. payable at the end of several Years, to be as under, viz.

At the end of	1	Years to be	.970874
	2		.942596
	3		.915142
	4		.888487
	5		.862609
	6		.837484
	7		.813092, &c.

Then the present Value of 1 l. per Ann, at 3 l. per Cent.

For	1	Years is	.970874	Being the	1st. Number above,
	2		1.213470		1 & 2;
	3		2.828612		1, 2, & 3,
	4		3.717099		1, 2, 3, & 4,
	5		4.579708		1, 2, 3, 4, & 5,
	6		5.417192		1, 2, 3, 4, 5, & 6,
	7		6.230284		1, 2, 3, 4, 5, 6, & 7,

And thus the fourth and last of the following Tables is made.

The

The fourth Table may likewise be made from the second Table, thus,

The Value of the first Year in the second Table, is the same in the fourth Table; the first and second Years in the second Table added, makes the second Year of the fourth Table; the third Year in the second Table, added to the second Year of the fourth, makes the third Year of the fourth Table, &c.

Example at 3 l. per Cent.

.970874 - - first Year of the 2d. Table, (and 4th.)
 .942596 - - second Year of the second.

1.913470 - - second Year of the fourth.
 .915142 - - third Year of the second.

2.828612 - - third Year of the fourth.
 .888487 - - fourth Year of the second.

3.717099 - - fourth Year of the fourth.
 .862609 - - fifth Year of the second.

4.579708 - - fifth Year of the fourth.
 .837484 - - sixth Year of the second.

5.417192 - - sixth Year of the fourth.
 .813092 - - seventh Year of the second.

6.230284 - - seventh Year of the fourth.
 &c.

Table

TABLE I.

The Amount of one Pound, in any Number of Years not exceeding 100, at the several Rates of 3, 4, 5, 6, 7, 8, 9 and 10 *l. per Cent. per Ann.* Compound Interest.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	1.030000	1.040000	1.050000	1.06. 000
2	1.060900	1.081600	1.102500	1.123600
3	1.092727	1.124864	1.157625	1.191016
4	1.125509	1.169859	1.215506	1.262477
5	1.159274	1.216653	1.276282	1.338226
6	1.194052	1.265319	1.340096	1.418519
7	1.229874	1.315932	1.407100	1.503630
8	1.266770	1.368569	1.477455	1.593848
9	1.304773	1.423312	1.551328	1.689479
10	1.343916	1.480244	1.628895	1.790848
11	1.384234	1.539454	1.710332	1.898299
12	1.425761	1.601032	1.795856	2.012196
13	1.468534	1.665074	1.885649	2.132928
14	1.512590	1.731676	1.979932	2.260904
15	1.557967	1.800944	2.078928	2.396558
16	1.604706	1.872981	2.182875	2.540352
17	1.652848	1.947900	2.292018	2.692773
18	1.702433	2.025817	2.406619	2.854339
19	1.753506	2.106849	2.526950	3.025600
20	1.806111	2.191123	2.653298	3.207135
21	1.860295	2.278763	2.785963	3.399564
22	1.916103	2.369912	2.925261	3.603537
23	1.973587	2.464716	3.071524	3.819750
24	2.032794	2.563304	3.225100	4.048935
25	2.093778	2.665836	3.386355	4.291871
26	2.156591	2.772470	3.555673	4.549383
27	2.221289	2.883369	3.733456	4.822346
28	2.287928	2.998703	3.920129	5.111687
29	2.356566	3.118651	4.116136	5.418388
30	2.427262	3.243398	4.321942	5.743491

7 per Cent.

1.070000

1.144900

1.225000

1.310700

1.402500

1.500700

1.605700

1.718100

1.838400

1.967100

2.104800

2.252100

2.409800

2.578500

2.759000

2.952100

3.158800

3.379900

3.616500

3.869600

4.140500

4.430400

4.740500

5.072300

5.427400

5.807300

6.213800

6.648800

7.114200

7.612200

TABLE I.

The Amount of one Pound, &c.

ber of
Rates
at. per

r Cent.

5. 000

23600

91016

62477

38226

18519

03630

03848

89479

90818

98299

12196

32928

60904

96558

40352

92773

54339

025600

07135

299564

03537

19750

48935

91871

549383

322346

111687

118388

43491

7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
1.070000	1.080000	1.090000	1.100000	1
1.144900	1.166400	1.188100	1.210000	2
1.225043	1.259712	1.295029	1.331000	3
1.310796	1.360489	1.411582	1.464100	4
1.402552	1.469328	1.538624	1.610510	5
1.500730	1.586874	1.677100	1.771561	6
1.605781	1.713824	1.828039	1.948717	7
1.718186	1.850930	1.992563	2.143589	8
1.838459	1.999005	2.171893	2.357948	9
1.967151	2.158925	2.367364	2.593742	10
2.104852	2.331639	2.580426	2.853117	11
2.252192	2.518170	2.812665	3.138428	12
2.409845	2.719624	3.065805	3.452271	13
2.578534	2.937194	3.341727	3.797498	14
2.759032	3.172169	3.642482	4.177248	15
2.952164	3.425943	3.970306	4.594973	16
3.158815	3.700018	4.327633	5.054470	17
3.379932	3.996019	4.717120	5.559917	18
3.616528	4.315701	5.141661	6.115909	19
3.869684	4.660957	5.604411	6.727500	20
4.140562	5.033834	6.108808	7.400250	21
4.430402	5.436540	6.658600	8.140275	22
4.740530	5.871464	7.257874	8.954302	23
5.072367	6.341181	7.911083	9.849733	24
5.427433	6.848475	8.623081	10.834706	25
5.807353	7.396353	9.399158	11.918177	26
6.213868	7.988061	10.245082	13.109994	27
6.648838	8.627106	11.167139	14.420994	28
7.114257	9.317275	12.172182	15.863093	29
7.612255	10.062657	13.267678	17.449402	30

TABLE I. continu'd.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
31	2.500080	3.373133	4.538039	6.088101
32	2.575083	3.508059	4.764941	6.453387
33	2.652335	3.648381	5.003189	6.840590
34	2.731905	3.794316	5.253348	7.251025
35	2.813862	3.946089	5.516015	7.686087
36	2.898278	4.103933	5.791816	8.147252
37	2.985227	4.268090	6.081407	8.636087
38	3.074783	4.438813	6.385477	9.154252
39	3.167027	4.616366	6.704751	9.703507
40	3.262038	4.801021	7.039989	10.285718
41	3.359899	4.993061	7.391988	10.902861
42	3.460696	5.192784	7.761588	11.557033
43	3.564517	5.400495	8.149667	12.250455
44	3.671452	5.616515	8.557150	12.985462
45	3.781596	5.841176	8.985008	13.764611
46	3.895044	6.074823	9.434258	14.590487
47	4.011895	6.317816	9.905971	15.465917
48	4.132252	6.570528	10.401270	16.393872
49	4.256219	6.833349	10.921333	17.377504
50	4.383906	7.106683	11.457400	18.420154
51	4.515423	7.390951	12.040770	19.525363
52	4.650886	7.686589	12.642808	20.696885
53	4.790412	7.994052	13.274949	21.938698
54	4.934125	8.313814	13.938696	23.255020
55	5.082149	8.646367	14.635631	24.650322
56	5.234613	8.992222	15.367412	26.129341
57	5.391651	9.351910	16.135783	27.697101
58	5.553401	9.725987	16.942572	29.358927
59	5.720003	10.115026	17.789701	31.120463
60	5.891603	10.519627	18.679186	32.987691
61	6.068351	10.940413	19.613145	34.966952
62	6.250402	11.378029	20.593802	37.064969
63	6.437914	11.833150	21.623493	39.288868
64	6.631051	12.306476	22.704667	41.646200
65	6.829983	12.798735	23.839901	44.144972

TABLE I. continu'd.

Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
88101	8.145113	10.867669	14.401769	19.194342	31
53387	8.715271	11.737083	15.763329	21.113777	32
40590	9.325340	12.676050	17.182028	23.225155	33
51025	9.978114	13.690134	18.728411	25.547671	34
86087	10.676581	14.785344	20.413968	28.102438	35
47252	11.423942	15.968172	22.251225	30.912681	36
36087	12.223618	17.245626	24.253835	34.003949	37
54252	13.079271	18.625276	26.436680	37.404344	38
03507	13.994820	20.115298	28.815982	41.144779	39
85718	14.974458	21.724521	31.400420	45.259257	40
02861	16.022670	23.462483	34.236268	49.785182	41
557033	17.144257	25.339482	37.317532	54.763701	42
250455	18.344355	27.366640	40.576110	60.240071	43
985432	19.628460	29.555972	44.336960	66.264778	44
764611	21.002452	31.920449	48.727286	72.890486	45
590487	22.472623	34.474085	52.676742	80.179534	46
465917	24.045707	37.232012	57.417649	88.197488	47
393872	25.728907	40.210573	62.585237	97.017236	48
377504	27.529930	43.427419	68.217908	106.718950	49
420154	29.457025	46.901512	74.357520	117.390856	50
525363	31.519017	50.653741	81.049627	129.129942	51
696885	33.725348	54.706041	88.344170	142.042936	52
938698	36.086122	59.082524	96.295145	156.247229	53
255020	38.612151	63.809126	104.961708	171.371952	54
650322	41.315001	68.912856	114.408262	189.059147	55
129341	44.207052	74.426964	124.705005	207.965062	56
697101	47.301545	80.381122	135.928456	228.761568	57
9358927	50.612653	86.811611	148.162017	251.537725	58
1.120463	54.155539	93.756540	161.496598	276.301498	59
2.987691	57.946427	101.257054	176.031292	304.481648	60
4.966952	62.002677	109.357629	191.871108	334.929812	61
7.064969	66.342864	118.106239	209.142778	368.422794	62
9.288868	70.986865	127.554738	227.765628	405.265073	63
1.646200	75.955945	137.759117	248.482535	445.791580	64
4.144972	81.272861	148.779846	270.845963	490.370738	65

TABLE I. continu'd.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
66	7.034882	13.310685	25.031896	46.793670
67	7.245929	13.843112	26.283490	49.601290
68	7.463307	14.396836	27.597665	52.577368
69	7.687206	14.972710	28.977548	55.732010
70	7.917822	15.571618	30.426426	59.075930
71	8.155357	16.194483	31.947747	62.620486
72	8.400017	16.842262	33.545134	66.377715
73	8.652018	17.515953	35.222391	70.360378
74	8.911578	18.216591	36.983510	74.582001
75	9.178926	18.945255	38.832686	79.056921
76	9.454293	19.703065	40.774320	83.800336
77	9.737922	20.491187	42.813036	88.828356
78	10.030060	21.310835	44.953688	94.158068
79	10.330962	22.163268	47.201372	99.807541
80	10.640891	23.049799	49.561441	105.795993
81	10.960117	23.971791	52.039513	112.143753
82	11.288921	24.930663	54.641489	118.872378
83	11.627588	25.927889	57.373563	126.004721
84	11.976416	26.965005	60.242241	133.565004
85	12.335709	28.043605	63.254353	141.578904
86	12.705780	29.165349	66.417071	150.073639
87	13.086953	30.331963	69.737925	159.078057
88	13.478562	31.545242	73.224821	168.622741
89	13.883949	32.807051	76.886062	178.740105
90	14.300467	34.119333	80.730365	189.464511
91	14.729481	35.484107	84.766883	200.832382
92	15.171366	36.903471	89.005227	212.882325
93	15.626507	38.379610	93.455489	225.655264
94	16.095302	39.914794	98.128263	239.194580
95	16.578161	41.511386	103.034676	253.546255
96	17.075506	43.171841	108.186410	268.759030
97	17.587771	44.898715	113.595731	284.884572
98	18.115404	46.694664	119.275517	301.977646
99	18.658866	48.562450	125.239293	320.096305
100	19.218632	50.504948	131.501258	339.302084

TABLE I. continu'd.

Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
93670	86.961962	160.682234	295.222099	539.407812	66
01290	93.049299	173.536813	321.792088	593.348593	67
77368	99.562750	187.419758	350.753376	652.683453	68
32010	106.532142	202.413338	382.321180	717.951798	69
75930	113.989392	218.606406	416.730086	789.746978	70
20486	121.968650	236.094918	454.235794	868.721675	71
77715	130.506455	254.982511	495.117016	955.593843	72
60378	139.641907	275.381112	539.677547	1051.153227	73
82001	149.416840	297.411601	588.248526	1156.268550	74
56921	159.876019	321.204529	641.190894	1271.895405	75
00336	171.067341	346.900892	698.398074	1399.084945	76
28356	183.042054	374.652963	761.798901	1538.993440	77
58058	195.854998	404.625200	830.360802	1692.892784	78
07541	207.564848	436.995216	905.093274	1862.182062	79
95993	224.234388	471.954834	986.551669	2048.400269	80
43753	239.930795	509.711220	1075.341315	2253.240295	81
72378	256.725950	550.488118	1172.122037	2478.564325	82
04721	274.696767	594.527167	1277.513021	2726.420757	83
65004	293.925540	642.089341	1392.598193	2999.062833	84
78904	314.500328	693.456488	1517.932030	3298.969117	85
73639	336.515351	748.933007	1654.545913	3628.866028	86
78057	360.071426	808.847648	1803.455045	3991.752631	87
22741	385.276426	873.555459	1965.765999	4390.927894	88
40105	412.245776	943.439896	2142.684939	4830.020684	89
64511	441.102980	1018.915088	2335.526583	5313.022752	90
32382	471.980188	1100.428295	2545.723976	5844.325027	91
82325	505.018802	1188.462558	2774.839134	6428.757530	92
55264	540.370118	1283.539563	3024.574656	7071.633283	93
94580	578.196026	1386.222728	3296.786375	7778.796611	94
46255	618.669748	1497.120546	3593.497148	8556.676272	95
59030	661.976630	1616.890190	3916.911892	9412.343899	96
884572	708.314994	1746.241405	4269.433962	10353.578289	97
777646	757.897044	1885.940718	4653.683018	11388.936118	98
96305	810.949837	2036.815975	5072.514490	12527.829730	99
02084	877.716325	2199.761253	5529.040794	13780.512703	100

TABLE II.

The present Value of One Pound, payable at the end of any Number of Years not exceeding 100, Discounting at the several Rates of 3, 4, 5, 6, 7, 8, 9 and 10 *l. per Cent. per Ann.* Compound Interest.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	.970874	.961539	.952381	.943396
2	.942596	.924556	.907029	.889997
3	.915142	.888996	.863838	.839619
4	.888487	.854804	.822702	.792094
5	.862609	.821927	.783526	.747258
6	.837484	.790315	.746216	.704960
7	.813092	.759918	.710682	.665057
8	.789409	.730690	.676839	.627412
9	.766417	.702587	.644609	.591898
10	.744094	.675564	.613913	.558395
11	.722421	.649581	.584679	.526787
12	.701380	.624597	.556837	.496969
13	.680951	.600574	.530321	.468839
14	.661118	.577475	.505068	.442301
15	.641862	.555265	.481017	.417265
16	.623167	.533908	.458112	.393646
17	.605017	.513373	.436297	.371364
18	.587395	.493628	.415521	.350344
19	.570286	.474643	.395734	.330513
20	.553676	.456387	.375890	.311805
21	.537549	.438834	.358942	.294155
22	.521892	.421955	.341850	.277505
23	.506692	.405726	.325571	.261797
24	.491934	.390121	.310068	.246979
25	.477606	.375117	.295303	.232999
26	.463695	.360689	.281241	.219810
27	.450189	.346816	.267848	.207368
28	.437077	.333477	.255094	.195630
29	.424346	.320651	.242946	.184557
30	.411987	.308319	.231377	.174110

TABLE II.

The present Value of one Pound, &c.

per Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
43396	.934579	.925926	.917431	.909091	1
89997	.873439	.857339	.841680	.826446	2
39619	.816298	.793832	.772184	.751315	3
92094	.762895	.735030	.708425	.683013	4
747258	.712986	.680583	.649931	.620921	5
704960	.666342	.630170	.596267	.564474	6
665057	.622750	.583491	.547034	.513158	7
627412	.582009	.540269	.501866	.466507	8
591898	.543934	.500249	.460428	.424098	9
558395	.508349	.463194	.422411	.385543	10
526787	.475093	.428883	.387533	.350494	11
496969	.444012	.397114	.355535	.318631	12
468839	.414965	.367698	.326179	.289664	13
442301	.387817	.340461	.299246	.263331	14
417265	.362446	.315242	.274538	.239392	15
393646	.338735	.291891	.251870	.217629	16
371364	.316574	.270269	.231073	.197845	17
350344	.295864	.250249	.211994	.179859	18
330513	.276508	.231712	.194490	.163508	19
311805	.258419	.214548	.178431	.148644	20
294155	.241513	.198657	.163698	.135131	21
277505	.225713	.183941	.150182	.122846	22
261797	.210947	.170315	.137781	.111678	23
246979	.197147	.157699	.126405	.101526	24
232999	.184249	.146018	.115968	.092296	25
219810	.172196	.135202	.106392	.083965	26
207368	.160930	.125187	.097607	.076278	27
195630	.150402	.115914	.089548	.069343	28
184557	.140563	.107328	.082155	.063039	29
174110	.131367	.099377	.075371	.057309	30

TABLE II. continu'd.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
31	.399987	.296460	.220359	.164255
32	.388337	.285058	.209866	.154957
33	.377026	.274094	.199873	.146186
34	.366045	.263552	.190355	.137912
35	.355383	.253416	.181290	.130105
36	.345032	.243669	.172657	.122741
37	.334983	.234297	.164436	.115793
38	.325226	.225285	.156605	.109239
39	.315754	.216621	.149148	.103056
40	.306557	.208289	.142046	.097222
41	.297628	.200278	.135282	.091719
42	.288959	.192575	.128840	.086527
43	.280543	.185168	.122704	.081630
44	.272372	.178046	.116861	.077009
45	.264439	.171198	.111297	.072650
46	.256737	.164614	.105997	.068538
47	.249259	.158283	.100949	.064658
48	.241999	.152195	.096142	.060998
49	.234950	.146341	.091564	.057546
50	.228107	.140713	.087204	.054288
51	.221463	.135301	.083051	.051215
52	.215013	.130097	.079096	.048316
53	.208750	.125093	.075330	.045582
54	.202670	.120282	.071743	.043001
55	.196767	.115656	.068326	.040567
56	.191036	.111207	.065073	.038271
57	.185472	.106930	.061974	.036105
58	.180070	.102817	.059023	.034061
59	.174825	.098863	.056212	.032133
60	.169733	.095060	.053536	.030314
61	.164789	.091404	.050986	.028598
62	.159990	.087889	.048558	.026980
63	.155330	.084508	.046246	.025453
64	.150806	.081258	.044044	.024012
65	.146413	.078133	.041946	.022653

TABLE II. continu'd.

Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
4255	.122773	.092016	.069148	.052099	31
4957	.114741	.085200	.063438	.047362	32
6186	.107235	.078889	.058200	.043057	33
37912	.100219	.073045	.053395	.039143	34
0105	.093663	.067635	.048986	.035584	35
22741	.087535	.062625	.044941	.032349	36
15793	.081809	.057986	.041231	.029408	37
09239	.076457	.053690	.037826	.026735	38
03056	.071455	.049713	.034703	.024304	39
97222	.066780	.046031	.031838	.022095	40
91719	.062412	.042621	.029209	.020086	41
86527	.058329	.039464	.026797	.018260	42
81630	.054513	.036541	.024584	.016600	43
77009	.050946	.033834	.022555	.015091	44
72650	.047614	.031328	.020692	.013719	45
68538	.044499	.029007	.018984	.012472	46
64658	.041587	.026859	.017416	.011338	47
60998	.038867	.024869	.015978	.010307	48
57546	.036324	.023027	.014659	.009370	49
54288	.033948	.021321	.013449	.008510	50
51215	.031727	.019742	.012338	.007744	51
48316	.029651	.018280	.011319	.007040	52
45582	.027711	.016925	.010385	.006400	53
43001	.025899	.015672	.009527	.005818	54
40567	.024204	.014511	.008741	.005289	55
38271	.022621	.013436	.008019	.004808	56
36105	.021141	.012441	.007357	.004371	57
34061	.019758	.011519	.006749	.003974	58
32133	.018465	.010666	.006192	.003613	59
30314	.017257	.009876	.005681	.003284	60
28598	.016128	.009144	.005212	.002986	61
26980	.015073	.008467	.004781	.002714	62
25453	.014087	.007840	.004387	.002468	63
24012	.013166	.007259	.004024	.002243	64
22653	.012304	.006721	.003692	.002039	65

TABLE II. continu'd.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.	7 per
66	.142149	.075128	.039949	.021370	.011
67	.138009	.072238	.038047	.020161	.010
68	.133989	.069460	.036235	.019020	.010
69	.130086	.066788	.034509	.017943	.009
70	.126297	.064219	.032866	.016927	.008
71	.122619	.061749	.031301	.015969	.008
72	.119047	.059374	.029811	.015065	.007
73	.115580	.057091	.028391	.014213	.007
74	.112214	.054895	.027039	.013408	.006
75	.108945	.052784	.025752	.012649	.006
76	.105772	.050754	.024525	.011933	.005
77	.102621	.048801	.023357	.011258	.005
78	.099700	.046924	.022245	.010620	.005
79	.096796	.045120	.021186	.010019	.004
80	.093977	.043384	.020177	.009452	.004
81	.091240	.041716	.019216	.008917	.004
82	.088582	.040111	.018301	.008412	.003
83	.086002	.038569	.017430	.007936	.003
84	.083497	.037085	.016600	.007487	.003
85	.081065	.035659	.015809	.007063	.003
86	.078704	.034287	.015056	.006663	.002
87	.076412	.032969	.014339	.006286	.002
88	.074186	.031701	.013657	.005930	.002
89	.072026	.030481	.013006	.005595	.002
90	.069928	.029309	.012387	.005278	.002
91	.067891	.028182	.011797	.004979	.002
92	.065914	.027098	.011235	.004697	.001
93	.063994	.026056	.010700	.004432	.001
94	.062130	.025053	.010191	.004181	.001
95	.060320	.024090	.009705	.003944	.001
96	.058563	.023163	.009243	.003721	.001
97	.056858	.022272	.008803	.003510	.001
98	.055202	.021416	.008384	.003312	.001
99	.053594	.020592	.007985	.003124	.001
100	.052033	.019800	.007604	.002947	.001

TABLE II. continu'd.

er Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
021370	.011499	.006223	.003387	.001854	66
020161	.010747	.005762	.003108	.001685	67
019020	.010044	.005336	.002851	.001532	68
017943	.009387	.004940	.002616	.001393	69
016927	.008773	.004574	.002400	.001266	70
015969	.008199	.004236	.002202	.001151	71
015065	.007662	.003922	.002020	.001046	72
014213	.007161	.003631	.001853	.000951	73
013408	.006693	.003362	.001700	.000865	74
012649	.006255	.003113	.001560	.000786	75
011933	.005846	.002883	.001434	.000715	76
011258	.005463	.002669	.001313	.000649	77
010620	.005106	.002471	.001204	.000591	78
010019	.004772	.002288	.001105	.000537	79
009452	.004460	.002119	.001014	.000488	80
008917	.004168	.001962	.000930	.000444	81
008412	.003895	.001817	.000853	.000403	82
007936	.003640	.001682	.000783	.000367	83
007487	.003402	.001557	.000718	.000333	84
007063	.003180	.001442	.000659	.000303	85
006663	.002972	.001335	.000604	.000276	86
006286	.002777	.001236	.000554	.000251	87
005930	.002596	.001145	.000509	.000228	88
005595	.002426	.001060	.000467	.000207	89
005278	.002267	.000981	.000428	.000188	90
004979	.002119	.000909	.000393	.000171	91
004697	.001980	.000841	.000360	.000156	92
004432	.001851	.000779	.000331	.000141	93
004181	.001730	.000721	.000303	.000129	94
003944	.001616	.000668	.000278	.000117	95
003721	.001511	.000618	.000255	.000105	96
003510	.001412	.000573	.000234	.000097	97
003312	.001319	.000530	.000215	.000082	98
003124	.001233	.000491	.000197	.000080	99
002947	.001152	.000455	.000181	.000073	100

TABLE III.

The Amount of One Pound *per Ann.* in any Number of Years not exceeding 100, at the several Rates of 3, 4, 5, 6, 7, 8, 9 and 10 *per Cent.* *per Ann.* Compound Interest.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	1.000000	1.000000	1.000000	1.000000
2	2.030000	2.040000	2.050000	2.060000
3	3.090900	3.121800	3.152500	3.183600
4	4.183627	4.246464	4.310125	4.374616
5	5.309136	5.416323	5.525631	5.637093
6	6.468410	6.632975	6.801913	6.975319
7	7.662462	7.898294	8.142008	8.393838
8	8.892336	9.214226	9.549109	9.897468
9	10.159106	10.582795	11.026564	11.491316
10	11.463879	12.006107	12.577893	13.180795
11	12.807796	13.486351	14.206787	14.971643
12	14.192030	15.025805	15.917127	16.869941
13	15.617790	16.626838	17.712983	18.882138
14	17.086324	18.291911	19.598632	21.015066
15	18.598914	20.023588	21.578564	23.275970
16	20.156881	21.824531	23.657492	25.672528
17	21.761588	23.697512	25.840366	28.212880
18	23.414435	25.645413	28.132385	30.905653
19	25.116868	27.671229	30.539004	33.759992
20	26.870374	29.778079	33.065954	36.785591
21	28.676486	31.969202	35.719252	39.992727
22	30.536780	34.247970	38.505214	43.392290
23	32.452884	36.617889	41.430475	46.995828
24	34.426470	39.082604	44.501999	50.815577
25	36.459264	41.645908	47.727099	54.864512
26	38.553042	44.311745	51.113454	59.156383
27	40.709633	47.084214	54.669126	63.705766
28	42.930922	49.967583	58.402583	68.528112
29	45.218850	52.966286	62.322712	73.639798
30	47.575416	56.084938	66.438848	79.058186

TABLE III.

The Amount of One Pound *per Ann. &c.*y Num-
e several
er Cent.

per Cent.

.000000

.060000

.183600

.374616

.637093

.975319

.8393838

.9897468

.1491316

.3180795

.4971643

.6869941

.8882138

.1015066

.3275970

.5672528

.8212880

.10905653

.3759992

.6785591

.992727

.392290

.6995828

.15577

.4864512

.156383

.3705766

.6528112

.3639798

.7058186

7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
1.000000	1.000000	1.000000	1.000000	1
2.070000	2.080000	2.090000	2.100000	2
3.214900	3.246400	3.278100	3.310000	3
4.439943	4.506112	4.573129	4.641000	4
5.750739	5.866601	5.984711	6.105100	5
7.153291	7.335929	7.523335	7.715610	6
8.654021	8.922803	9.200435	9.487171	7
10.259803	10.636628	11.028474	11.435888	8
11.977989	12.487558	13.021036	13.579477	9
13.816448	14.486562	15.192930	15.937425	10
15.783599	16.645487	17.560293	18.531167	11
17.888451	18.977126	20.140720	21.384284	12
20.140643	21.495297	22.953385	24.522712	13
22.550488	24.214920	26.019189	27.974983	14
25.129022	27.152114	29.360916	31.772482	15
27.888054	30.324283	33.003399	35.949730	16
30.840217	33.750226	36.973704	40.544703	17
33.999033	37.450244	41.301338	45.599173	18
37.378965	41.446263	46.018458	51.159090	19
40.995492	45.761964	51.160119	57.274999	20
44.865177	50.422921	56.764530	64.002499	21
49.005739	55.456755	62.873338	71.402749	22
53.436141	60.893296	69.531938	79.543024	23
58.176671	66.764759	76.789813	88.497327	24
63.249038	73.105940	84.700896	98.347059	25
68.676470	79.954415	93.323977	109.181765	26
74.483823	87.350768	102.723134	121.099942	27
80.697691	95.338830	112.968216	134.209936	28
87.346529	103.965936	124.135356	148.630930	29
94.460786	113.283211	136.307538	164.494023	30

TABLE III. continu'd.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
31	50.002678	59.328335	70.760790	84.801677
32	52.502759	62.701469	75.298829	90.889778
33	55.077841	66.209527	80.063771	97.343165
34	57.730177	69.857909	85.066959	104.183755
35	60.462082	73.652225	90.320307	111.434780
36	63.275944	77.598314	95.836323	119.120867
37	66.174223	81.702246	101.628139	127.268119
38	69.159449	85.970336	107.709546	135.904206
39	72.234233	90.409150	114.095023	145.058458
40	75.401260	95.025516	120.799774	154.761966
41	78.663298	99.826536	127.839763	165.047684
42	82.023197	104.819598	135.231751	175.950545
43	85.483892	110.012382	142.993339	187.507577
44	89.048409	115.412877	151.143006	199.758032
45	92.719861	121.029392	159.700156	212.743514
46	96.501457	126.870568	168.685164	226.508125
47	100.396501	132.945390	178.119422	241.098612
48	104.408396	139.263206	188.025393	256.564529
49	108.540648	145.833734	198.426663	272.958401
50	112.796867	152.667084	209.347996	290.335005
51	117.180773	159.773767	220.815395	308.756059
52	121.696197	167.164718	232.856165	328.281422
53	125.347083	174.851306	245.498974	348.978308
54	131.137495	182.845359	258.773922	370.917006
55	136.071620	191.159173	272.712618	394.172027
56	141.153768	199.805540	287.348249	418.822348
57	146.388381	208.797762	302.715662	444.951689
58	151.780033	218.149672	318.851445	472.648790
59	157.333434	227.875659	335.794017	502.007718
60	163.053437	237.990685	353.583718	533.128181
61	168.945040	248.510313	372.262904	566.115872
62	175.013391	259.450725	391.876049	601.082824
63	181.263793	270.828754	412.469851	638.147793
64	187.701707	282.661904	434.093344	677.436661
65	194.332758	294.968380	456.798011	719.082861

TABLE II. continu'd.

er Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
801677	102.073041	123.345868	149.575216	181.943425	31
889778	110.218154	134.213537	164.036986	201.137773	32
343165	118.933425	145.950620	179.800315	222.251550	33
183755	128.258765	158.626670	196.982343	245.476705	34
434780	138.236878	172.316804	215.710754	271.024376	35
120867	148.913460	187.102148	236.124722	299.126813	36
268119	160.337402	203.070320	258.375947	330.039495	37
904206	172.561020	220.315945	282.629782	364.043444	38
058458	185.640292	238.941221	309.066463	401.447789	39
761966	199.635112	259.056519	337.882444	442.592558	40
047684	214.609570	280.781040	369.291864	487.851824	41
950545	230.632240	304.243523	403.528132	537.637007	42
507577	247.776495	329.583005	440.845664	592.420707	43
758032	266.120851	356.949645	481.521775	652.640778	44
743514	285.749311	386.505617	525.858735	718.904856	45
508125	306.751763	418.426066	574.186021	791.795342	46
098612	329.224386	452.900152	626.862763	871.974876	47
564529	353.270093	490.132164	684.280411	960.172363	48
958401	378.998999	530.342737	746.865648	1057.189600	49
335905	405.528929	573.770156	815.083557	1163.908550	50
756059	435.985955	620.671768	889.441077	1281.299416	51
281422	467.504971	671.325510	970.490774	1410.429357	52
8978308	501.230319	726.031550	1058.834943	1552.472293	53
917006	537.316442	785.114074	1155.130088	1708.719522	54
172027	575.928593	848.923200	1260.091796	1880.591474	55
822348	617.243594	917.837056	1374.500058	2069.650622	56
951689	661.450646	992.264021	1499.205063	2277.615684	57
648790	708.752191	1072.645143	1635.133519	2506.377252	58
007718	759.364844	1159.456754	1783.295535	2758.014978	59
3128181	813.520383	1253.213294	1944.792134	3034.816476	60
5115872	871.466810	1354.470358	2120.823426	3339.298123	61
1082824	933.469487	1463.827986	2312.697534	3674.227935	62
8147793	999.812351	1581.934225	2521.840312	4042.650729	63
7436661	1070.799215	1709.488963	2749.805940	4447.915802	64
9082861	1146.755161	1847.248080	2998.288475	4893.707382	65

TABLE III. continu'd.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
66	201.162741	307.767116	480.637912	763.227832
67	208.197623	321.077800	505.669807	810.021502
68	215.443552	334.920912	531.953298	859.622792
69	222.906858	349.317749	559.550963	912.200160
70	230.594064	364.290459	588.528511	967.932170
71	238.511886	379.862077	618.954936	1027.008100
72	246.667242	396.056560	650.902683	1089.628586
73	255.067260	412.898823	684.447817	1156.006301
74	263.719277	430.414775	719.670208	1226.366679
75	272.630856	448.631356	756.653718	1300.948680
76	281.809781	467.576621	795.486404	1380.005601
77	291.264075	487.279686	836.260724	1463.805937
78	301.001997	507.770873	879.073761	1552.634293
79	311.032057	529.081708	924.027449	1646.792350
80	321.363019	551.244977	971.228821	1746.599891
81	332.003909	574.294776	1020.790262	1852.395885
82	342.964027	598.266567	1072.829775	1964.539638
83	354.252947	623.197229	1127.471264	2083.412016
84	365.880536	649.125119	1184.844827	2209.416737
85	377.856952	676.090123	1245.087065	2342.981741
86	390.192660	704.133728	1308.341422	2484.560646
87	402.898440	733.299078	1374.758493	2634.634285
88	415.985393	763.631041	1444.496418	2793.712342
89	429.464955	795.176282	1517.721235	2962.335082
90	443.348904	827.983334	1594.607301	3141.075187
91	457.649371	862.102667	1675.337666	3330.539698
92	472.378852	897.586774	1760.104545	3531.372080
93	487.550218	934.490244	1849.109776	3744.254405
94	503.176724	972.869854	1942.565265	3969.909669
95	519.272026	1012.784648	2040.693528	4209.104250
96	535.850187	1054.296034	2143.728205	4462.650504
97	552.925692	1097.467876	2251.914615	4731.409555
98	570.513463	1142.366591	2365.510346	5016.294107
99	588.628867	1189.061254	2484.785863	5318.271753
100	607.287733	1237.623705	2610.025156	5638.368058

7 per Cent

1228.02802
1314.98998
1408.03928
1507.60203
1614.13417
1728.12356
1850.09221
1980.59867
2120.24057
2269.65741
2429.53343
2600.60077
2783.64283
2979.49783
3189.06267
3413.29706
3653.22786
3909.95381
4184.65057
4478.57611
4793.07644
5129.59179
5489.66322
5874.93965
6287.18542
6728.28840
7200.26859
7705.28739
8245.65751
8821.85354
9442.52328
10104.49991
10812.81491
11570.71195
12381.66179

TABLE III. continu'd.

ent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye
832	1228.028022	1996.027927	3269.134438	5384.078120	56
502	1314.989983	2156.710161	3564.356537	5923.485932	67
792	1408.039282	2330.246974	3886.148625	6516.834526	68
160	1507.602032	2517.666731	4236.902002	7169.517978	69
170	1614.134174	2720.080070	4619.223182	7887.469776	70
100	1728.123566	2938.686476	5035.953268	8677.216754	71
8586	1850.092216	3174.781394	5490.189062	9545.938429	72
6301	1980.598671	3429.763905	5985.306078	10501.532272	73
6679	2120.240578	3705.145017	6524.983625	11552.685499	74
8680	2269.657418	4002.556619	7113.232151	12708.954049	75
5601	2429.533438	4323.761148	7754.423045	13980.949454	76
5937	2600.600778	4670.662040	8453.321119	15379.934399	77
4293	2783.642833	5045.315003	9215.120019	16918.927839	78
2350	2979.497831	5449.940204	10045.480821	18611.820623	79
9891	3189.062679	5886.935420	10950.574095	20474.002686	80
5885	3413.297067	6358.890253	11937.125764	22522.402954	81
9638	3653.227862	6868.601474	13012.467082	24775.643250	82
2016	3909.953812	7419.089592	14184.589120	27254.207575	83
6737	4184.650579	8013.616759	15462.202141	29980.628332	84
81741	4478.576119	8655.706100	16854.800333	32979.691165	85
60646	4793.076448	9349.162587	18372.732363	36278.650282	86
34285	5129.591799	10098.095594	20027.278276	39907.526310	87
12342	5489.663225	10906.943242	21830.733321	43899.278941	88
35082	5874.939651	11780.498701	23796.499320	48220.206835	89
75187	6287.185426	12723.938597	25939.184258	53120.227510	90
39698	6728.288406	13742.853685	28274.710842	58433.250271	91
72080	7200.268594	14843.281980	30820.434817	64277.575298	92
54405	7705.287396	16031.744538	33595.273951	70706.332827	93
09669	8245.657514	17315.284101	36619.848607	77777.966110	94
04250	8821.853540	18701.506829	39916.614981	85556.762721	95
50504	9442.523288	20198.627376	43510.132130	94113.438993	96
409535	10104.499918	21815.517566	47427.044021	103525.782892	97
294107	10812.814912	23561.758971	51696.477983	113879.361182	98
271753	11570.711956	25447.699689	56350.161002	125268.297300	99
368058	12381.661793	27484.515664	61422.675492	137796.127030	100

TABLE IV.

The present Value of One Pound *per Ann.* for any Number of Years to come, not exceeding 100, at the several Rates of 3, 4, 5, 6, 7, 8, 9 and 10! *per Cent. per Ann.* Compound Interest.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
1	.970874	.961539	.952381	.94339 6
2	1.913470	1.886095	1.859410	1.833393
3	2.823612	2.775091	2.723248	2.673012
4	3.717099	3.629896	3.545950	3.465106
5	4.579707	4.451823	4.329477	4.212364
6	5.417192	5.242137	5.075692	4.917325
7	6.230283	6.002055	5.786374	5.582382
8	7.019693	6.732745	6.463213	6.209794
9	7.786109	7.435332	7.107822	6.801692
10	8.530203	8.110896	7.721735	7.360087
11	9.252625	8.760477	8.306415	7.886875
12	9.954005	9.385074	8.863252	8.383844
13	10.534956	9.985648	9.393573	8.852683
14	11.226074	10.563124	9.898641	9.294984
15	11.937936	11.118388	10.379658	9.712249
16	12.561103	11.652297	10.837770	10.105895
17	13.166120	12.165670	11.274067	10.477260
18	13.753515	12.659298	11.689587	10.827603
19	14.323801	13.133941	12.085321	11.158116
20	14.877476	13.590328	12.462211	11.469921
21	15.415026	14.029162	12.821153	11.764077
22	15.936918	14.451117	13.163003	12.041582
23	16.443610	14.856843	13.488574	12.303379
24	16.935544	15.246965	13.798642	12.550357
25	17.413149	15.622082	14.093945	12.783356
26	17.876844	15.982771	14.375186	13.003166
27	18.327033	16.329587	14.643034	13.210534
28	18.764110	16.663065	14.898128	13.406164
29	19.188456	16.983716	15.141074	13.590721
30	19.600443	17.292035	15.372452	13.764831

The pref

7 per Cent.

.934579
1.808018
2.624316
3.387211
4.100198
4.766540
5.389290
5.971299
6.515233
7.023582
7.498675
7.942687
8.357652
8.745469
9.107915
9.446649
9.763224
10.059088
10.335596
10.594016
10.835529
11.061242
11.272189
11.469335
11.653585
11.825780
11.986710
12.137113
12.277676
12.409043

TABLE IV.

The present Value of One Pound *per Ann. &c.*

Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
39 6	.934579	.925926	.917431	.909091	1
393	1.808018	1.78326 5	1.759111	1.735537	2
012	2.624316	2.577097	2.531295	2.486852	3
106	3.387211	3.312127	3.239720	3.169865	4
364	4.100198	3.992710	3.889651	3.790787	5
325	4.766540	4.622880	4.485919	4.355261	6
382	5.389290	5.206371	5.032953	4.868419	7
794	5.971299	5.746640	5.534819	5.334926	8
692	6.515233	6.245889	5.995247	5.759024	9
087	7.023582	6.710082	6.417658	6.144567	10
875	7.498675	7.138965	6.805191	6.495061	11
844	7.942687	7.536079	7.160725	6.813692	12
683	8.357652	7.903777	7.486904	7.103356	13
984	8.745469	8.244238	7.786151	7.366688	14
249	9.107915	8.559480	8.060689	7.506080	15
895	9.446649	8.851370	8.312559	7.823709	16
260	9.763224	9.121639	8.543632	8.021553	17
603	10.059088	9.371888	8.755625	8.201412	18
116	10.335596	9.603601	8.950115	8.364920	19
921	10.594016	9.818149	9.128546	8.513564	20
077	10.835529	10.016805	9.292244	8.648694	21
582	11.061242	10.200745	9.442426	8.771540	22
379	11.272189	10.371061	9.580207	8.883218	23
357	11.469335	10.528760	9.706612	8.984744	24
356	11.653585	10.674778	9.822580	9.077040	25
166	11.825780	10.809980	9.928973	9.160945	26
534	11.986710	10.935167	10.026580	9.237223	27
164	12.137113	11.051081	10.116128	9.306566	28
721	12.277676	11.158408	10.198283	9.369606	29
831	12.409043	11.257785	10.273654	9.426914	30

TABLE IV. continu'd.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
31	20.000430	17.588495	15.592811	13.929086
32	20.388767	17.873553	15.802677	14.084043
33	20.765793	18.147647	16.002550	14.230229
34	21.131838	18.411199	16.192905	14.368141
35	21.487222	18.664615	16.374195	14.498246
36	21.832254	18.908284	16.546852	14.620987
37	22.167237	19.142580	16.711288	14.736780
38	22.492464	19.357866	16.867893	14.846019
39	22.808217	19.584486	17.017041	14.949074
40	23.114774	19.792775	17.159087	15.046297
41	23.412402	19.993053	17.294369	15.138016
42	23.701361	20.185628	17.423208	15.224543
43	23.981904	20.370797	17.545913	15.306173
44	24.254276	20.548843	17.662774	15.383182
45	24.518715	20.720041	17.774070	15.455832
46	24.775451	20.884655	17.880067	15.524370
47	25.024710	21.042938	17.981016	15.589028
48	25.266709	21.195133	18.077158	15.650026
49	25.501659	21.341474	18.168722	15.707572
50	25.729766	21.482186	18.255926	15.761860
51	25.951230	21.617487	18.338977	15.813076
52	26.166242	21.747584	18.418074	15.861392
53	26.374993	21.872677	18.493403	15.906974
54	26.577663	21.992958	18.565146	15.949975
55	26.774430	22.108614	18.633472	15.990543
56	26.965466	22.219821	18.698545	16.028814
57	27.150938	22.326751	18.760519	16.064919
58	27.331008	22.429568	18.819542	16.098980
59	27.505833	22.528431	18.875754	16.131113
60	27.675566	22.623491	18.929290	16.161428
61	27.840356	22.714896	18.980276	16.190026
62	28.000346	22.802784	19.028834	16.217006
63	28.155675	22.887293	19.075080	16.242458
64	28.306481	22.968551	19.119124	16.266470
65	28.452894	23.046683	19.161071	16.289123

T A

7 per Cent.

12.531816
12.646557
12.753792
12.854011
12.947674
13.035209
13.117018
13.193475
13.264930
13.331710
13.394122
13.452451
13.506963
13.557910
13.605523
13.650022
13.691609
13.730476
13.766800
13.800748
13.832475
13.862126
13.889838
13.915736
13.939941
13.962561
13.983702
14.003460
14.021926
14.039183
14.055311
14.070384
14.084471
14.097637
14.109941

TABLE IV. continu'd.

7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
12.531816	11.349802	10.342802	9.479013	31
12.646557	11.435002	10.406240	9.526376	32
12.753792	11.513891	10.464441	9.569432	33
12.854011	11.586936	10.517836	9.608575	34
12.947674	11.654570	10.566822	9.644159	35
13.035209	11.717195	10.611763	9.676508	36
13.117018	11.775181	10.652994	9.705917	37
13.193475	11.828871	10.690820	9.732651	38
13.264930	11.878585	10.725523	9.756956	39
13.331710	11.924615	10.757360	9.779051	40
13.394122	11.967237	10.786569	9.799137	41
13.452451	12.006701	10.813366	9.817397	42
13.506963	12.043242	10.837951	9.833998	43
13.557910	12.077076	10.860505	9.849089	44
13.605523	12.108404	10.881197	9.862808	45
13.650022	12.137411	10.900181	9.875280	46
13.691609	12.164269	10.917597	9.886618	47
13.730476	12.189139	10.933576	9.896925	48
13.766800	12.212165	10.948235	9.906296	49
13.800748	12.233487	10.961683	9.914814	50
13.832475	12.253229	10.974021	9.922558	51
13.862126	12.271508	10.985341	9.929599	52
13.889838	12.288434	10.995725	9.935999	53
13.915736	12.304105	11.005253	9.941817	54
13.939941	12.318616	11.013993	9.947106	55
13.962561	12.332052	11.022012	9.951915	56
13.983702	12.344493	11.029369	9.956286	57
14.003460	12.356012	11.036118	9.960260	58
14.021926	12.366678	11.042310	9.963873	59
14.039183	12.376554	11.047991	9.967157	60
14.055311	12.385698	11.053203	9.970143	61
14.070384	12.394165	11.057924	9.972857	62
14.084471	12.402005	11.062371	9.975325	63
14.097637	12.409264	11.066395	9.977568	64
14.109941	12.415985	11.070087	9.979607	65

TABLE IV. continu'd.

Ye.	3 per Cent.	4 per Cent.	5 per Cent.	6 per Cent.
66	28.595043	23.121811	19.201020	16.310493
67	28.733052	23.194049	19.239066	16.330654
68	28.867041	23.263509	19.275301	16.349673
69	28.997127	23.330297	19.309811	16.367616
70	29.123424	23.394516	19.342677	16.384544
71	29.246043	23.456266	19.373978	16.400513
72	29.365090	23.515640	19.403789	16.415578
73	29.480670	23.572731	19.432180	16.429791
74	29.592884	23.627626	19.459219	16.443199
75	29.701829	23.680410	19.484970	16.455848
76	29.807601	23.731163	19.509495	16.467781
77	29.910293	23.779065	19.532853	16.479039
78	30.009993	23.826889	19.555098	16.489659
79	30.105789	23.872009	19.576284	16.499678
80	30.200766	23.915393	19.596461	16.509131
81	30.292006	23.957109	19.615677	16.518048
82	30.380589	23.997220	19.633978	16.526460
83	30.466591	24.035789	19.651408	16.534396
84	30.550088	24.072874	19.668007	16.541883
85	30.631154	24.108533	19.683816	16.548947
86	30.709858	24.142820	19.698873	16.555610
87	30.786270	24.175788	19.713212	16.561896
88	30.860457	24.207489	19.726869	16.567827
89	30.932482	24.237970	19.739875	16.573421
90	31.002410	24.267279	19.752262	16.578699
91	31.070301	24.295461	19.764059	16.583679
92	31.136215	24.322558	19.775294	16.588376
93	31.200209	24.348614	19.785994	16.592808
94	31.262338	24.373667	19.796185	16.596988
95	31.322659	24.397757	19.805891	16.600922
96	31.381222	24.420920	19.815134	16.604653
97	31.438080	24.443193	19.823937	16.608163
98	31.493281	24.464603	19.832321	16.611475
99	31.546875	24.485200	19.840306	16.614599
100	31.598978	24.505000	19.847910	16.617546
F.S.	33.333333	25.000000	20.000000	16.666667

T

7 per Cent.
14.121444
14.132188
14.142233
14.151618
14.160399
14.168599
14.176252
14.183411
14.190100
14.196366
14.202207
14.207670
14.212770
14.217547
14.222007
14.226175
14.230070
14.233717
14.237113
14.240202
14.243264
14.246041
14.248537
14.250862
14.253220
14.255448
14.257428
14.259279
14.261008
14.262629
14.264135
14.265547
14.266866
14.268099
14.269257
14.285714

TABLE IV. continued.

Cent.	7 per Cent.	8 per Cent.	9 per Cent.	10 per Cent.	Ye.
493	14.121440	12.422209	11.073475	9.981461	66
654	14.132187	12.427971	11.076582	9.983146	67
673	14.142231	12.433307	11.079433	9.984679	68
616	14.151618	12.438247	11.082049	9.986771	69
444	14.160391	12.442822	11.084448	9.987338	70
513	14.168590	12.447057	11.086650	9.988489	71
578	14.176252	12.450979	11.088670	9.989535	72
991	14.183413	12.454610	11.090523	9.990487	73
3199	14.190106	12.457973	11.092223	9.991351	74
5848	14.196261	12.461086	11.093782	9.992138	75
7781	14.202207	12.463969	11.095213	9.992852	76
9039	14.207670	12.466638	11.096526	9.993502	77
9659	14.212776	12.469109	11.097730	9.994093	78
9678	14.217547	12.471397	11.098835	9.994630	79
9131	14.222007	12.473516	11.099849	9.995118	80
8048	14.226175	12.475478	11.100778	9.995562	81
6460	14.230070	12.477295	11.101632	9.995965	82
4396	14.233710	12.478977	11.102414	9.996332	83
1883	14.237113	12.480534	11.103132	9.996666	84
8947	14.240202	12.481976	11.103791	9.996969	85
5610	14.243264	12.483311	11.104396	9.997244	86
1896	14.246041	12.484548	11.104950	9.997495	87
7827	14.248537	12.485692	11.105459	9.997723	88
3421	14.251062	12.486752	11.105925	9.997930	89
8699	14.253320	12.487734	11.106354	9.998118	90
3679	14.255448	12.488642	11.106746	9.998289	91
88376	14.257428	12.489484	11.107107	9.998444	92
2808	14.259279	12.490263	11.107437	9.998586	93
96988	14.261008	12.490984	11.107741	9.998714	94
00932	14.262625	12.491652	11.108019	9.998831	95
0453	14.264135	12.492271	11.108274	9.998937	96
08163	14.265547	12.492843	11.108509	9.999034	97
11475	14.266866	12.493373	11.108723	9.999122	98
14599	14.268099	12.493864	11.108921	9.999202	99
17546	14.269252	12.494319	11.109101	9.999274	100
66667	14.285714	12.500000	11.111111	10.000000	F.S.

The Use of the preceeding Tables.

THE Amount or present Value of any Sum of Money, for any Number of Years, not exceeding 100, at any of the aforesaid Rates of Interest, is thus found :

Look in the first or second Table for the Number of Years, and even with that Number, under the Rate of Interest, is the Amount or present Value of 1 *l.* which Amount or present Value so found, being multiply'd by the Principal Sum, the Product is the Amount or present Value requir'd.

After the same manner, the Amount or present Value of any Annuity, or other yearly Payment, is found, by the third or fourth Table.

Examples.

Quest. 1. What will 125 *l.* amount unto in 15 Years, at 5 *l. per Cent. per Ann.* Compound Interest?

In Table I. even with 15 Years, and under 5 *l. per Cent.* I find the } 2.078928
Amount of 1 *l.* to be _____

Which multiply'd by the Principal _____ 125

The Product will be _____ 259.866, &c.

Ans. 259 *l.* 17 *s.* 4 *d.*

Quest. 2.

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per Ann.

Quest. 2. What is the present Value of 259 l. 17 s. 4 d. to be pay'd at the end of 15 Years, discounting at the Rate of 5 l. per Cent. per Ann. Compound Interest?

In Table II. even with 15 Years, and under 5 l. per Cent. I find the present Value of 1 l. to be } .481017

Which multiply'd by the Principal } 259.8667.

The Product will be 125.000, £ s. d.

Ans. 125 l.

Quest. 3. What will 15 l. per Ann. amount unto in 21 Years, at 8 l. per Cent. per Ann. Compound Interest?

In Table III. even with 21 Years, and under 8 l. per Cent. I find the Amount of 1 l. per Ann. to be } 50.422921

Which multiply'd by 15

The Product will be 756.343815

Ans. 756 l. 6 s. 10 d. $\frac{1}{2}$

Quest. 4. What is the present Value of 15 l. per Ann. for 21 Years to come, at 8 l. per Cent. per Ann. Compound Interest?

In Table IV. even with 21 Years,
and under 8 l. per Cent. I find the
present Value of 1 l. per Ann. to
be 10.016805

Which multiply'd by 15

The Product will be 150.252075

Ans. 150 l. 5 s. 0 d. $\frac{1}{2}$

Quest. 5. What will 150 l. 5 s. 0 d. $\frac{1}{2}$ amount unto in 21 Years, at 8 l. per Cent. per Ann. Compound Interest?

In Table I. even with 21 Years,
and under 8 l. per Cent. I find the Amount of 1 l. to be 5.033834

Which multiply'd by 150.252

The Product will be 756.343, &c.

Ans. 756 l. 6 s. 10 d. $\frac{1}{2}$

Which Answer is the same with that given to the third Question, and shews the Agreement of the Tables one with the other.

Quest. 6. One having the Lease of an Estate, Value 60 l. per Ann. more than the reserv'd Rent, 12 Years to come, would know what Sum ought to be pay'd, to add 28 Years to the Term, and thereby make it 40 Years to come, computing at the Rate of 6 l. per Cent. per Ann. Compound Interest?

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I find in Table IV. the present Value of 1 l. per Ann. for 40 Years to come, at 6 l. per Cent. per Ann. to be 15.046297

I find in the same Table, the Value of 1 l. per Ann. for 12 Years to come, at the same Rate, to be 8.383844

The Difference is 6.662453
Which multiply'd by 60

The Product will be 399.747180

Ans. 399 l. 14 s. 11 d. $\frac{1}{4}$

Quest. 7. A. has the Possession of an Estate of 100 l. per Ann. 15 Years to come, B. has the Reversion of the same Estate for ever, after the Expiration of the said 15 Years. It is demanded, What is the present Value of A's Term of 15 Years? and, What the present Value of B's Reversion, computing at the Rate of 5 l. per Cent. per Ann. Compound Interest?

I find in the last Line of Table IV. under 5 l. per Cent. the Fee Simple of 1 l. per Ann. to be worth 2000.
20 l. which multiply'd by 100, the Product is 2000.

I find in the same Table, the Value of 1 l. per Ann. 15 Years to come, at the same Rate, to be 10.379658;
which multiply'd by 100, the Product is 1037.9658

The Difference is 962.0342
Ans.

l. s. d.
Ans. 1037 19 3 $\frac{1}{4}$ the Possess. 15 Ys. to come,
 962 0 8 $\frac{1}{4}$ the Revers. aft. the said 15
 (Years.

l. 2000 ——— the Fee Simple.

Quest. 8. For a Lease of certain Profits for seven Years, *A.* makes two Offers, either to pay 150 *l.* as a Fine, and 300 *l.* *per Ann.* or 1700 *l.* Fine, without any Rent. *B.* bids 650 *l.* Fine, and 200 *l.* *per Ann.* And *C.* 200 *l.* Fine, and 405 *l.* *per Ann.* The Question is, Which is the best Offer, and what the Difference, computing at the Rate of 5 *l.* *per Cent.* *per Ann.* Compound Interest?

The Amount of 1 *l.* in 7 Years } *l. s. d.*
 at 5 *l.* *per Cent.* (in Table I.) mul- } 211 01 3 $\frac{1}{2}$
 tiply'd by 150 *l.* is —————

The Amount of 1 *l.* *per Ann.* in }
 7 Years, at 5 *l.* *per Cent.* (in Ta- } 2442 12 0 $\frac{1}{2}$
 ble III.) multiply'd by 300 *l.* is ———

Therefore *A.*'s first Offer, at the }
 end of 7 Years, will amount unto } 2653 13 04

The Amount of 1 *l.* in 7 Years, }
 at 5 *l.* *per Cent.* multiply'd by } 2392 01 05
 1700 *l.* is what *A.*'s 2d Offer will }
 amount to in the same time ———

The Amount of 1 *l.* in 7 Years, }
 at 5 *l.* *per Cent.* multiply'd by 650 *l.* } 914 12 3 $\frac{1}{2}$
 is —————

The Amount of 1 *l.* *per Ann.* in }
 7 Years, at 5 *l.* *per Cent.* multiply'd } 1628 08 0 $\frac{1}{2}$
 by 200 *l.* is —————

There

There
 7 Years,

The A
 at 5 *l.* *per*
 is ———

The A
 7 Years,
 by 405 *l.*

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Therefore *B's* Offer, at the End of } *l. s. d.*
 7 Years, will amount unto ————— } 2543 00 04

The Amount of 1 *l.* in 7 Years,
 at 5 *l. per Cent.* multiply'd by 200 *l.* } 281 08 05
 is —————

The Amount of 1 *l. per Ann.* in
 7 Years, at 5 *l. per Cent.* multiply'd } 3297 10 03
 by 405 *l.* is —————

Therefore *C's* Offer, at the End of }
 7 Years, will amount unto ————— } 3578 18 08

The Amounts of the said Offers, at the End of
 the said Term, being thus known, look (in Table
 II.) for the present Value of 1 *l.* payable at the
 End of 7 Years, at 5 *l. per Cent.* which will be
 found to be .710682. Which said Value being
 multiply'd by the said several Amounts, the Pro-
 ducts will be the present Value of the said several
 Offers; viz.

l. s. d.
 The present Value of *A's* 1st will be 1885 18 03
A's 2d ————— 1700 00 00
B's ————— 1807 05 06
C's ————— 2543 09 08

Therefore the present Value of what *C* offers,
 is more than *A's* 1st ————— 657 11 05
A's 2d ————— 843 09 08
B's ————— 736 04 02

Which answers the Question.

Or

(70)

Or thus :

A's 1st Offer is 300 *l.* per Ann. }
the present Value of which, for 7 Years, at 5 *l.* per Cent. is ——— } 1735 18 03
And a Fine of ——— 150 00 00

1885 18 03

A's 2d Offer, is a Fine of ——— 1700 00 00

B's Offer is 200 *l.* per Ann. the }
present Value of which, for 7 Years, at 5 *l.* per Cent. is ——— } 1157 05 06
And a Fine of ——— 650 00 00

1807 05 06

C's Offer, is 405 *l.* per Ann. the }
present Value of which, for 7 Years, at 5 *l.* per Cent. is ——— } 2343 09 08
And a Fine of ——— 200 00 00

2543 09 08

Therefore *C's* is more than *A's* 1st 657 11 05
A's 2d 843 09 08
B's — 736 04 02

Quest. 9. *A.* gives 1550 *l.* for an Annuity of 100 *l.* per Ann. for 99 Years. *B.* puts 1550 *l.* out at Interest. It is requir'd to know, Which will amount to the greatest Sum, at the End of the said 99 Years, at the Rate of 6 *l.* per Cent. per Ann. Compound Interest ?

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Which

The Amount of 1 *l.* per *Ann.* } *l.* *s.* *d.*
 in 99 Years, at 6 *l.* per Cent. (in } 531827 03 06
 Table III.) multiply'd by 100 *l.* is

The Amount of 1 *l.* in 99 }
 Years, at 6 *l.* per Cent. (in Table } 496149 05 05½
 I.) multiply'd by 1550 *l.* is —

Therefore *A*'s 100 *l.* per *Ann.* }
 will amount to more than *B*'s } 35677 18 00½
 1550 *l.* in that Term —

Which answers the Question.

If the present Value of that Difference is required, find the present Value of 1 *l.* payable at the End of 99 Years, at 6 *l.* per Cent. (in Table II.) which multiply'd by the Difference, the Product will be the present Value thereof; viz. 111 *l.* 9 *s.* 2 *d.*

The present Value of the Difference is likewise thus found :

Find the present Value of 1 *l.* per }
Ann. for 99 Years to come, at 6 *l.* per } 1661 09 02
 Cent. (in Table IV.) which multi- }
 ply by 100 *l.* the Product will be —

Which is the present Value of
 100 *l.* per *Ann.* for 99 Years, at 6 *l.*
 per Cent.

And from which, subtract — 1550 00 00

There will remain — 111 09 02

Which is the present Value of the Difference.

Or

(72)

Or thus :

The Interest of *B*'s 1550 *l.* at 6 *l.* per Cent. is
93 *l.* per Ann. Therefore *A.* receives 7 *l.* per Ann.
more than *B.*

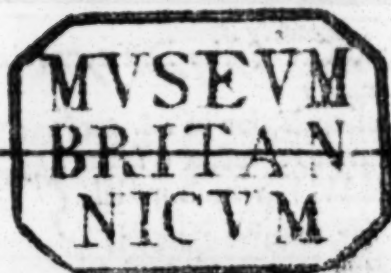
	<i>l.</i>	<i>s.</i>	<i>d.</i>
The present Value of 7 <i>l.</i> per Ann. for 99 Years to come, at 6 <i>l.</i> per Cent. is	116	06	00

The present Value of 1550 <i>l.</i> to be pay'd at the end of 99 Years, is	4	16	70
---	---	----	----

Therefore the present Value of the Difference, is	111	09	02
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After the same manner, most other useful Que-
stions in Compound Interest, are easily answer'd.

F I N I S.



ADVERTISEMENT.

Tables of Time, calculated for 200 Years, viz. the XVII
and XVIII Centuries, wherein the Days of the Week, Days
of the Month, Fix'd and Moveable Feasts, &c. are as easily
found, as in a common Almanack : With a short Account of
Old and New Stile. By John Smart, at the Town-Clerk's Office,
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Sold at the Queen's Head, the Corner of Bow-Lane, in
Cheapside.

PAG
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Page
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ERRATA.

PAGE 21. Line 25. for, *found by Addition only*, read, *Readily found*.

Page 34. Line 22. for, *found by Addition only*, read, *Readily found*.

Table I. even with 88 Years, and under 3 per Cent. for, 13.478562, read, 13.479562.

Table III. even with 76 Years, and under 10 per Cent. for, 13980.949454, read, 13980.849454.

